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"A STUDY OF THE POPULATION ECOLOGY  
OF IN-WATER MARINE TURTLE POPULATIONS  
ON THE EAST-CENTRAL FLORIDA COAST FROM 1982-96"

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## INTRODUCTION

The Recovery Plan for the U.S. Population of the Atlantic Green Turtle (NMFS and USFWS, 1991) states flatly that, "The foremost problem in management and conservation of sea turtles is the lack of basic biological information.....To effectively enhance survival, the most critical information needed is when, where, and in what abundance turtles may occur over the various stages of their life cycles." Marine turtles have been studied intensively on nesting beaches for at least the last three decades but relatively little is known about the lengthy portion of their life history which occurs from the time they leave the nesting beach as hatchlings until they return as adults to reproduce. In the southeastern U.S. we do know that aggregations of subadult loggerheads migrate northward during the spring to the rich foraging grounds of Chesapeake Bay, Virginia (Lutcavage and Musick, 1985; Keinath et al., 1987) and Pamlico Sound, North Carolina (Crouse, 1988; Epperly et al., 1995) and then migrate southward as the waters cool in the fall. Also, subadult loggerheads are seasonally present in near-shore Georgia waters (Hillestad et al., 1978) and year-round in Florida at Port Canaveral (Ogren and McVea, 1982; Henwood, 1987), the northern region of the Indian River Lagoon System including Mosquito Lagoon (Ehrhart and Yoder, 1976; Ehrhart and Yoder, 1978; Ehrhart, 1980; Mendonca and Ehrhart, 1982; Ehrhart, 1983; Ehrhart, 1984; Witherington and Ehrhart, 1989; Schroeder et al., 1990), the central part of the Indian River system (Ehrhart, 1985; Ehrhart and Witherington, 1986; Luepschen and Ehrhart, 1987; Ehrhart and Redfoot, 1992; Redfoot et al., 1992), the near-shore waters off Hutchinson Island (Ernest et al., 1989) and in the Florida Keys (Wells and Bellmund, 1990).

Juvenile green turtles are also known to use so-called "developmental habitats" in the Southeast. The largest aggregations reside in Florida waters but the species occurs in North Carolina (Crouse, 1988; Epperly et al., 1995), Virginia (Barnard et al.,

1989) and even New York (Morreale et al., 1992) in the warmer months of the year. In Florida, green turtles are known to occur year-round in Mosquito Lagoon (Ehrhart, 1980; Mendonca and Ehrhart, 1982; Ehrhart, 1983; Ehrhart, 1984; Witherington and Ehrhart, 1989; Schroeder et al., 1990); in the central part of the Indian River Lagoon system at Sebastian (Ehrhart, 1985; Ehrhart and Witherington, 1986; Luepschen and Ehrhart, 1987; Ehrhart and Redfoot, 1992; Redfoot et al., 1992); over near-shore worm reefs off Indian River County (Guseman and Ehrhart, 1990; Ehrhart et al., 1991; Guseman and Ehrhart, 1991); in the near-shore waters off Hutchinson Island (Ernest et al., 1989); over limestone reefs off Broward County (Wershoven and Wershoven, 1989); in the Florida Keys (Wells and Bellmund, 1990); and in Florida Bay (B.A. Schroeder, pers. com.). The species is more seasonal in occurrence on the Florida Gulf coast in the region between Crystal River and Waccasassa Bay and in Laguna Madre on the Texas coast (Shaver, 1990).

The aggregations of loggerheads and green turtles that dwell in Florida's Indian River Lagoon system and over the worm reefs off Indian River County, noted above, have been under study by the UCF Marine Turtle Research Group continuously since 1982 and 1989, but the level of effort devoted to that research has varied greatly as a result of the instability of funding support. The intensity of the work reached its lowest ebb in the early 1990's, as equipment deteriorated, the cost of marine operations rose and funding support dwindled. Nevertheless, continuity was maintained, especially during the summers and one of the study's most important attributes, its long-term nature, was preserved. There are few, if any, other populations of immature marine turtles that have been under continuous study for as long as the loggerheads and green turtles of the central region of the Indian River Lagoon. The stability of the methodology and the assiduous attention to documentation of catch-per-unit-effort over the long-term impart usefulness of the results that is essentially unique. The work

with the reef green turtle population, although of shorter duration, is also essentially one-of-a-kind. The funding supplied by the National Marine Fisheries Service to support field work from June 1995 through May of 1996 provided for the revitalization and enhancement of this long-term research endeavor and for the opportunity to gather otherwise-unattainable evidence of an important trend in the green turtle population. Details will be given below but suffice it to say here that unprecedented catch rates (CPUE) were seen throughout the year, but especially in the winter and spring of 1996 (Tables 1, 2, 3, 4). To the extent that this measure of relative density relates to real population dynamics, a genuine increase in the stock of immature green turtles is implied. It is possible that this surge in numbers was a temporary aberration on an otherwise flat trend line but it is certainly true that there were a lot of juvenile green turtles in the Indian River in early 1996.

In this study, effort was expressed as kilometer-hours of net deployment and "effort targets" were established for each season in the Indian River Lagoon and for the summer on the near-shore reefs. The effort targets for the fall (15 km-hrs), winter (15 km-hrs) and spring (15 km-hrs) were all met or exceeded (Tables 6, 7, and 8). Effort in the summer of 1995 (38.78 km-hrs) reached 97% of the 40 km-hr target (Table 5). Regarding the reef study area, however, the unusually large number of tropical storms and hurricanes of August, 1995, precluded attainment of the effort target. The Indian River County coast is a high energy shoreline and it was understood from the outset that our ability to work there depended entirely on the weather and ocean conditions. We could not have predicted such an active tropical weather season as that of summer, 1995 and most of the bad weather occurred in August, when we were expecting to expend about 33% of the netting effort. It began with Hurricane Erin on the night of 1/2 August; that was followed by Hurricane Felix, Tropical Storm Jerry and Hurricane Luis. Those storms and several others that stayed farther out in the Atlantic

caused heavy surf advisories and precluded any netting on the reef throughout the month of August. As a result the effort target for the reef was missed by a large margin (Table 9). However; the netting on the reef began somewhat earlier than in most years (9 June) and continued throughout June and July, when conditions were satisfactory. Capture rates were generally good during that period and the 37 green turtles and one loggerhead (Table 10) produced an unusually large CPUE relative to the rate observed in the lagoon that summer.

Although weather and ocean conditions imposed impediments to the research in the summer, the weather was generally good throughout the rest of the year, allowing us to attain some truly remarkable results and to meet all of the following, original objectives of the study.

1. To elucidate long-term trends in relative population density of loggerheads and green turtles in the Indian River Lagoon system through seasonal live capture in tangle nets .
2. To provide an index to long-term relative density of green turtles dwelling over near-shore worm reefs through live capture in the summer.
3. To quantify the size and age structures of lagoon loggerhead and green turtle populations and of the reef-dwelling green turtle assemblage and to interpret those data with reference to similar data that go back to 1982 in the lagoon and 1989 on the reef.
4. To gain an understanding of the sex ratios of lagoon loggerhead and green turtle populations and of the reef green turtle assemblage.
5. To further our understanding of the ecologic geography and population genetics of these loggerhead and green turtle assemblages.
6. To further our understanding of the foraging ecology of reef and lagoon green turtles.

7. To monitor the prevalence of fibropapillomatosis in two wild populations of green turtles on the East Florida coast.
8. To compare and contrast all of the biological attributes discussed above for lagoon and reef dwelling green turtles.

#### METHODS AND STUDY AREAS

Turtles are captured using large mesh tangle nets. The nets are approximately three meters deep with a 40 cm stretch (knot to knot) mesh size. They are hung from a braided polyethylene top line that is suspended at the surface by floats attached at intervals during deployment. The bottom line is braided polyethylene with a continuous lead core. In the lagoon 192 to 455 meters of net is set depending on the netting site and weather conditions. Over the Sabellariid worm reefs 220 meters of net is set.

The nets are deployed in the lagoon during daylight hours for varying lengths of time and are constantly tended using one or more small boats (15, 17, and/or 19 foot Boston Whalers). The net is constantly checked by pulling hand over hand along the top line from the bow of a small boat. For the first four years of the lagoon study netting was conducted from May into September. Starting in the fall of 1985 the nets were deployed during all seasons, though with reduced effort during the academic year.

Surf conditions will only allow the net to be set over the reefs during the summer months, and even then there are many days when the surf conditions are too rough to work. Usually by early afternoon the rising sea breeze or thunderstorms force netting operations over the reefs to stop. When conditions do allow the net to be set, relays of swimmers equipped with mask, snorkel, and fins continuously patrol its length.

When a turtle becomes entangled it is immediately brought aboard and freed from the net. Measurements are made of its standard carapace length (SCL), total

carapace length, straight-line carapace width, head width, and body depth using forestry calipers. Curved-line carapace length, curved-line carapace width, plastron length, the distance from the posterior tip of the plastron to the vent and from the posterior tip of the plastron to tip of tail are measured using a cloth tape. A spring scale is used to obtain weight.

The animal is double tagged externally. At present we are applying an inconel tag to one front flipper and a plastic roto-tag in the other front flipper, both supplied by the Caribbean Conservation Corporation. In the past we have variously used monel tags, inconel tags and combinations of monel and inconel tags. Starting in July of 1995 Trovan type PIT (passive internal transponder) tags were inserted subcutaneously into the right front flipper proximal to the wrist joint of each initial capture. The turtle is photographed and released near its site of capture.

From June, 1995 through May, 1996 samples of food items were obtained from a sub sample of juvenile green turtles captured in the lagoon and over the reefs by lavage of the esophagus. Using a modification of the methods described by Balazs (1980) and Forbes and Limpus (1993), a plastic tube lubricated with vegetable oil was carefully inserted through the mouth of the turtle down the length of the esophagus. The size of the tube varied with the size of the turtle being lavaged. Sea water was then pumped through the tube using a veterinarian's double action stomach pump as the tube was gently moved up and down the length of the esophagus. Food items flushed out of the esophagus and mouth were collected in a five gallon plastic bucket. The collected food items were then preserved in a four percent formalin-seawater solution for later analysis. The lavage procedure was reviewed by a licensed veterinarian and a marine turtle researcher experienced with lavage before being used in this study.

Data have been collected in two study areas. One is in the Indian River Lagoon

System (IRLS) which extends 260 kilometers along the east coast of Florida from Ponce DeLeon Inlet to Jupiter inlet (Figure 1). Since May of 1982 tangle nets have been deployed at nine localities in the central region of the IRLS between the town of Indialantic, Brevard County ( $28^{\circ} 05' N$ ,  $80^{\circ} 34' W$ ) and the town of Wabasso, Indian River County ( $27^{\circ} 46' N$ ,  $80^{\circ} 24' W$ ). The great majority of the netting effort has been expended in a large embayment 3 km south of Sebastian Inlet, unnamed on maps but known as South Bay by local commercial fishermen and residents, at a site within 1 km of the east shore ( $27^{\circ} 49.' N$ ,  $80^{\circ} 27' W$ ). The central region of the IRLS averages 1.5 meters in depth and exceeds 3 meters only in dredged channels and basins. The portion of the central region included in the study area is the relatively undeveloped eastern side of the lagoon. The undisturbed areas of shoreline are lined with red mangroves (Rhizophora wrightii). Sea grass beds composed primarily of manatee grass (Syringodium filiforme) and shoal grass (Halodule wrightii) are found in areas less than one meter deep. The sea grass Halophila decepiens is also found in deeper waters next to the sea grass beds and in areas of drift algae. Large areas of drift algae, including Gracilaria sp., Acanthoptera specifica, Bryothamnion seaforthii, Hypnea sp., and Solieria filiformis can be found in deeper waters adjacent to the grass beds.

The other study area is in the system of Sabellariid worm reefs that extend along the Atlantic Coast of Florida from Cape Canaveral southward to Biscayne Bay. The reefs are formed by a species of polychaete worms (Phragmatopoma lapidosa) in the Sabellariid family. These worms cement sand grains and fragments of shells into tubes; the aggregations of which form the reefs. These reefs extend from the intertidal zone to a depth of approximately 10 meters in a series of linear structures parallel to the shoreline. The reefs provide a substrate for the growth of at least 109 species of benthic marine algae; primarily red algae (Rhodophyta), but also green (Chlorophyta),

brown (Phaeophyta), and blue-green (Cyanophyta) algae (Juett et al., 1976).

Although exploratory net sets have been made as far south as Vero Beach, Indian River Co., most of the netting effort occurred between  $27^{\circ} 50' N$ ,  $80^{\circ} 26' W$  and  $27^{\circ} 47' N$ ,  $80^{\circ} 24' W$  along the northern coast of Indian River Co. The tangle net are usually set in water depths of less than 3.5 meters, within 150 meters of the shore.

Determining the abundance of marine turtles by a direct visual census is at best difficult, and in many of their habitats impossible. The latter is the case with both the Indian River Lagoon System (IRLS) and Sabellariid worm reef marine turtle populations. Instead, catch per unit effort (CPUE) data can be used as an index of relative abundance (Ricker, 1958). The unit of effort for this study was standardized as the net kilometer-hour, i.e. one kilometer of net in the water (net soak) for one hour. CPUE was calculated using the formula  $C/(L \times T)$  where C = the number of captures, L = the length of net used, and T = the amount of net soak time.

Netting operations have been conducted at several sites within the central region of the IRLS, however most of the effort has been expended in the large embayment on the east side of the lagoon immediately south of Sebastian Inlet. Only CPUE data obtained at this site are presented in this report.

The IRLS loggerhead and green turtle CPUE data were analyzed to determine if there was an increase or decrease in relative abundance of either species over the 14 year length of the study, and if cyclic fluctuations in their relative abundance occurred from season to season. To test the null hypothesis that there were no significant changes in the relative abundance of either species over the length of the study, CPUE data from the early years (1983-85) mid years (1988-90) and latter years (1993-95) were statistically analyzed. Because netting operations have been consistently conducted during the months of June and July each year from 1983 through 1995, while netting during other months was not conducted as consistently over the years

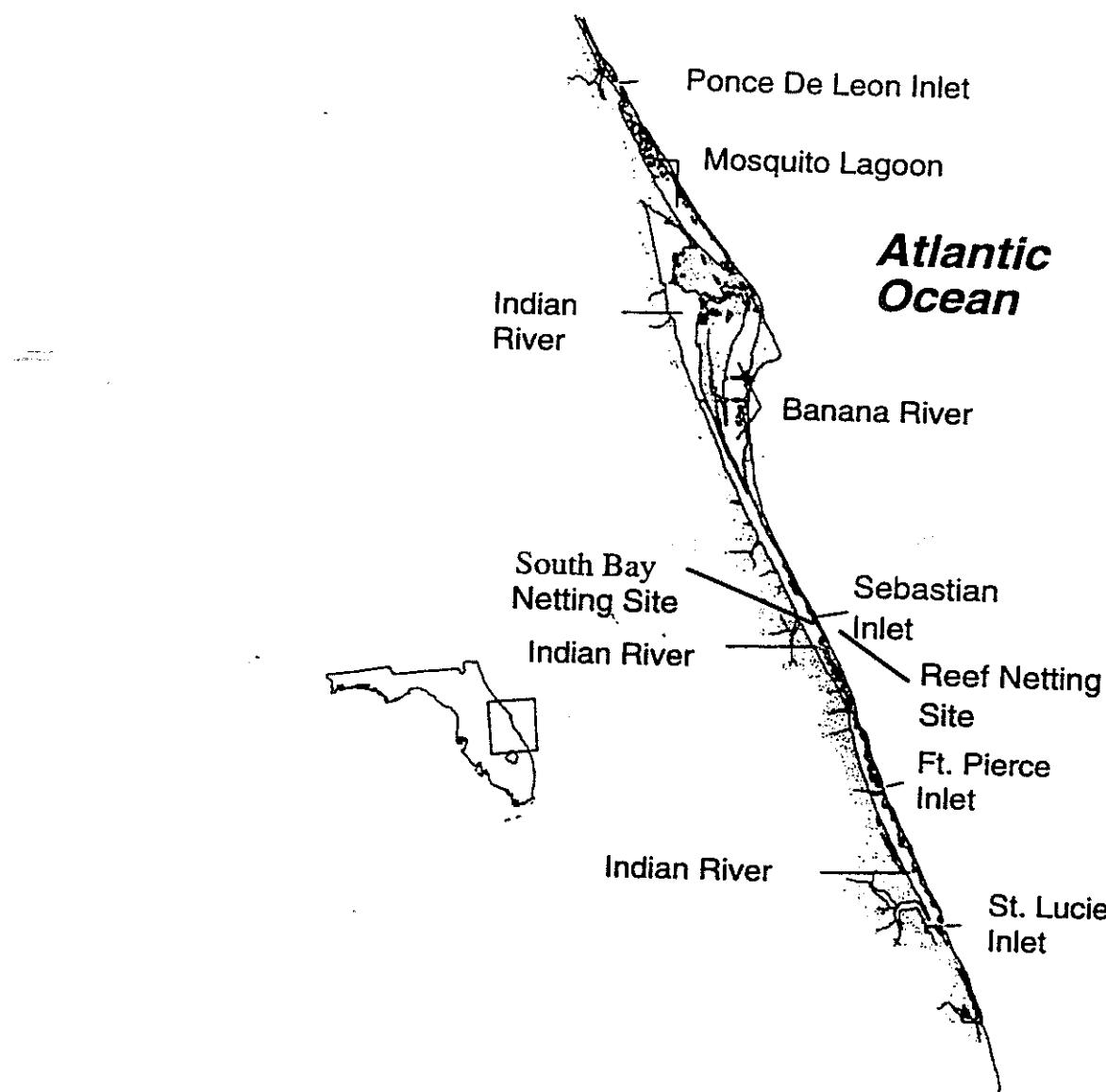


Figure 1. The Indian River Lagoon System including the locations of the primary lagoon and reef netting sites.

due to time and budget constraints, only the data from June and July were used to construct data sets for each span of years. This also minimized the possible influence of environmental variables such as water temperature, hours of daylight and food availability.

To quantify within-year cyclic fluctuations, CPUE data obtained for each species during the Winter (December 22 to March 21), Spring (March 22 to June 21), Summer (June 22 to September 21), and Fall (September 22 to December 21) over the length of the study were compiled and statistically compared to test the null hypothesis that there are no significant differences in relative abundance from one season to another.

Because netting over the Sabellariid reefs is generally only feasible during the months of June, July, and August, it was not possible to look for within year cyclic fluctuations. The Sabellariid worm reef CPUE data obtained each of the seven years of the reef study were statistically analyzed to test the null hypothesis that there were no significant changes in the relative abundance of green turtles over the span of the study. Because only six of the 202 Sabellariid worm reef captures were loggerheads (< 3 %) only the green turtle CPUE data was examined.

Due to the non-normal distribution of CPUE data, the Kruskal-Wallis nonparametric ANOVA test was used. When there were significant differences between samples, Dunn's multiple comparison test was used to determine which of the samples were significantly different from others in the data set. All statistical tests were performed using InStat for the Macintosh, published by GraphPad Software, Inc.

Blood samples were taken within the first few minutes after capture. Blood was drawn from the cervical sinus into a sterile 10 ml vacutainer using a 20 or 22 gauge needle. From this whole blood, a variety of samples was made for multiple analyses: 1 ml was pipetted into 9 ml of lysis buffer and gently inverted several times for DNA analysis; .5-1 ml was pipetted into a 3 ml heparinized vacutainer tube, inverted several

times and placed on ice for NMFS analysis; 1 drop on each of two slides to make smears for blood count analysis (CBC) also for NMFS. The remaining whole blood was then put into a new vacutainer with lithium heparin additive, and kept on ice until it could be centrifuged. Upon return to the lab, samples were centrifuged for approximately 15 minutes using an Adams Physicians Compact Centrifuge. Plasma was drawn by pipette to make 3 equal samples; one for NMFS, one for testosterone analysis, and one to be used in the ongoing fibropapilloma research at the University of Florida. These samples were kept frozen until ready to be shipped in dry ice.

Shortly after the beginning of this project we were contacted by biologists at the NMFS Charleston Laboratory, inquiring about the possibility of our providing various kinds of blood samples from loggerheads and green turtles. They were interested in obtaining samples from turtles in various habitats and seasons in order to compile a database of baseline data on blood biochemical parameters. These are the result of full clinical work-ups (blood chemistry and CBC). Blood chemistry analysis includes but is not limited to sugars, urea, amino acids, various elements such as sodium, calcium, phosphorus; several enzymes, protein and cholesterol. CBC analysis covers the various red and white cells as well as blood parasites. NMFS samples were packaged in special containers and picked up by courier.

It should be clarified here that collecting samples for NMFS was for a relatively short time; we routinely sample only for DNA and 2 vials of plasma. Any recaptures of previously sampled turtles were subsequently sampled for only 1 vial of plasma for immunological studies, to provide an "over time" analysis. As of May 1996, 121 samples from the lagoon and 35 from the reef have been taken for DNA analysis; we have initial results for the first 10. From the lagoon, we have collected 325 samples for fibropapilloma research and 222 for testosterone analysis. The last 151 lagoon samples are expected to be shipped this month. Ninety-five reef samples have been

taken for fibropapilloma research; 35 for testosterone analysis. A summary of samples taken from lagoon and reef turtles can be found in Tables 11 and 12.

In order to conduct a preliminary assay of genetic structure among juvenile green turtles inhabiting the reef and lagoon study areas, mitochondrial DNA (mtDNA) control regions were analyzed for ten turtles (5 reef, 5 lagoon). Total genomic DNA was isolated by a standard technique modified from Hillis et al. (1990). Control regions were amplified with PCR methodology using green turtle-specific primers (Allard et al., 1994) and purified. Single-stranded sequencing reactions using dye-labeled dideoxynucleotides were performed and the labeled products were sequenced with an automated DNA sequencer. Sequences from each individual were aligned by computer to known mtDNA control region sequences (haplotypes) representing green turtle nesting rookeries throughout the Caribbean Sea and Atlantic Ocean (Encalada et al., 1996). DNA analysis was conducted at the BEECS Genetics Analysis Core, University of Florida, Gainesville.

## RESULTS AND DISCUSSION

### Species Composition

#### Lagoon

From 19 May, 1982 through 31 May, 1996, 1,708 marine turtles were captured in the central region of the IRLS (Figure 2). Of those, one was an adult male green turtle and 1,061 were juvenile green turtles (907 initial captures, and 154 recaptures). This statement is based on the comparison of SCL measurements obtained from the lagoon green turtles to those from 221 green turtles nesting on the adjacent central and south Brevard County beaches. The largest lagoon green turtle SCL, other than that of the adult male, was 72.4 cm while the smallest SCL measurement obtained from a nesting green turtle was 83.2 cm.

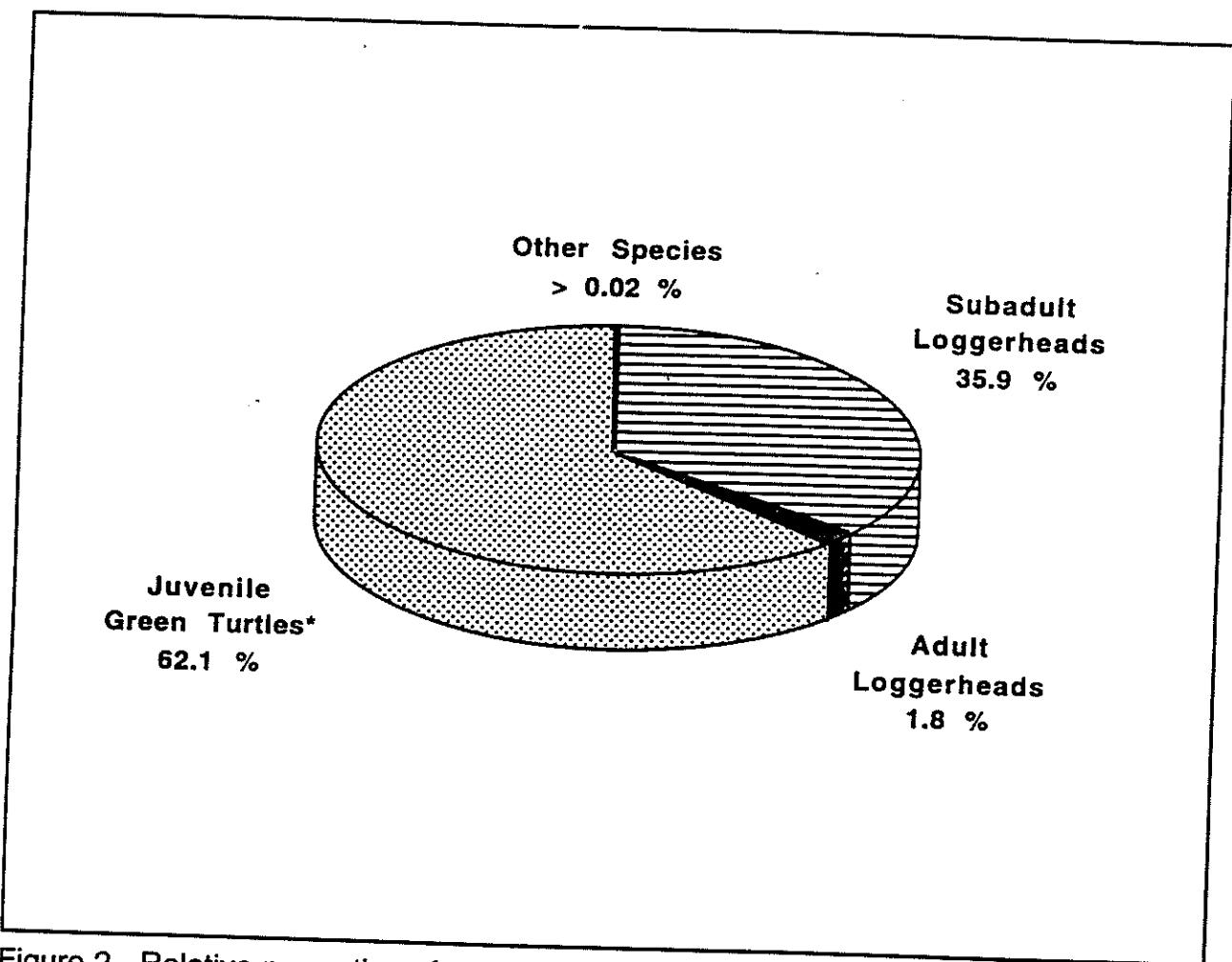


Figure 2. Relative proportion of marine turtle species captured in the central region of the Indian River Lagoon System, Florida, May, 1982 through May, 1996.  
(\* includes one adult male).

Loggerheads accounted for 643 captures, of which 612 were subadults (430 initial captures and 182 recaptures), and 31 were adults. Because the age and size at which loggerheads become sexually mature is variable (Limpus, 1985 in Dodd, 1988), it was difficult to determine which of the captures in the 70.0 to 89.9 cm SCL range were large subadults still utilizing the lagoon as developmental habitat and which were small adult females that had entered the lagoon during the nesting season or were over-wintering there. The lagoon loggerheads whose SCL was 90.0 cm or greater were assumed to be adult females. Three individuals were obviously adult males based on their long tail lengths and carapace lengths (Dodd, 1988). Eighty-three cm was chosen as the cut off point between subadult and adult females. This was based on the range of SCL measurements obtained from 1,207 loggerheads nesting on the adjacent central and south Brevard County beaches. While one third of the nesting females had a SCL less than 90.0 cm and ten percent had an SCL less than 85.0 cm, only four percent were less than 83.0 cm. Because the overall proportion of nesting females less than 83.0 cm SCL was so low, it was felt that few if any of the lagoon captures would be mistakenly classified as a subadult. It is possible that, of the nine lagoon loggerheads whose SCLs ranged from 83.0 to 89.9 cm, a few may have been subadults and were mistakenly classified as adult females. The 83.0 cm cutoff point is between the 85.0 cm SCL used by Ernest et al. (1989) for loggerheads captured at Hutchinson Island, Fl. and the 83.0 cm total carapace length used by Henwood (1987) for loggerheads captured in the Port Canaveral, Fl. ship channel (Henwood's 83.0 cm TCL converted to  $81.5 \pm 1.1$  cm SCL using a 95% prediction interval based on regression analysis of the TCLs and SCLs obtained from the lagoon loggerheads).

Fourteen of the subadult loggerheads were noted as being either a maturing male or possibly a maturing male based on relative tail length. Six individuals with SCL's

between 63.5 and 72.0 cm were tentatively described as "may be" or "seems to be" a maturing male. The nine that had SCL's between 74.1 and 80.9 cm were more emphatically described as "probably" a male or "definitely a maturing male but not as yet fully mature". One of these was captured four times over seven months. During that period his SCL increased by 1.9 cm (from 79.1 to 81.0) while his plastron to tip of tail measurement increased 3.6 cm (from 22.5 to 26.1). Only one of the nine lagoon loggerheads in the 83.0 to 89.9 cm SCL range was noted as being definitely a male (an 88.7 cm SCL individual).

Two Kemp's ridley turtles (Lepidochelys kempi), and one hawksbill (Eretmochelys imbricata) were also caught in the lagoon (Table 13).

Although not a result of this study, two leatherbacks have been recorded in the central region of the lagoon system. Caldwell (1958) reported that an immature leatherback was killed in the vicinity of Sebastian Inlet during the summer of 1954. Another immature leatherback (130.8 cm SCL) was found tangled in a crab trap line on 13 July ,1987 off Hog Point in the lagoon ( $27^{\circ} 59'N$ ,  $80^{\circ} 32'W$ ), approximately 12 km north of Sebastian Inlet (unpubl. data).

The higher proportion of green turtle captures is consistent with findings in the northern region of the lagoon system. Though Ehrhart (1983) reported 89 loggerheads and only 11 green turtles were captured in the northern region with tangle nets, he also reported 116 loggerheads and 188 green turtles recovered during hypothermic stunning events in 1977 and 1981. Of the 150 marine turtles recovered in the 1985 hypothermic stunning event 95.3% were juvenile green turtles and 4.7% were subadult loggerheads (Witherington and Ehrhart, 1989). Schroeder et al. (1990) reported the recovery of 246 green turtles (96.1%) and 10 loggerheads during the 1989 hypothermic stunning event in that same region.

To suggest that the developmental habitat provided by the central and northern

regions of the lagoon system is primarily used by green turtles and is of only secondary importance to loggerheads would be misleading. The high proportion of green turtle captures in the central region of the Indian River Lagoon may be an artifact of the location of the primary netting site, which is in a large area of drift algae. The preliminary results of the feeding ecology study have shown that green turtles are feeding on the drift algae almost exclusively rather than on seagrasses in the adjacent beds as previously assumed. In other words, the nets had unknowingly been deployed in prime green turtle foraging habitat. Also, while loggerheads are probably foraging on invertebrates in the drift algae, they are known to be attracted to channels (Byles, 1988) and may be more abundant around the intracoastal waterway and the Sebastian Inlet channel. Witherington and Ehrhart (1989) suggested that the proportionately larger number of green turtles collected during hypothermic stunning events in the northern region of the Indian River Lagoon system may be due to a greater susceptibility to the effects of reduced water temperature because of their physiology and smaller body size. At any rate, the results of this study and those in the northern region have demonstrated is that these areas of the lagoon system are prime developmental habitat for both green turtles and loggerheads.

### Reef

From 27 June, 1989 to 11 July, 1995, 195 juvenile green turtles (190 initial captures, and 5 recaptures), five subadult loggerheads (all initial captures), and one adult female loggerhead were captured over the Sabellariid worm reefs. A juvenile hawksbill turtle was caught with a dip net as it swam along the deployed tangle net.

As can be seen by an examination of Figure 3, only 3 % of reef captures were loggerheads whereas almost 38 % of the lagoon captures were loggerheads (Figure 2). The relative paucity of loggerheads over the reefs is somewhat perplexing in light

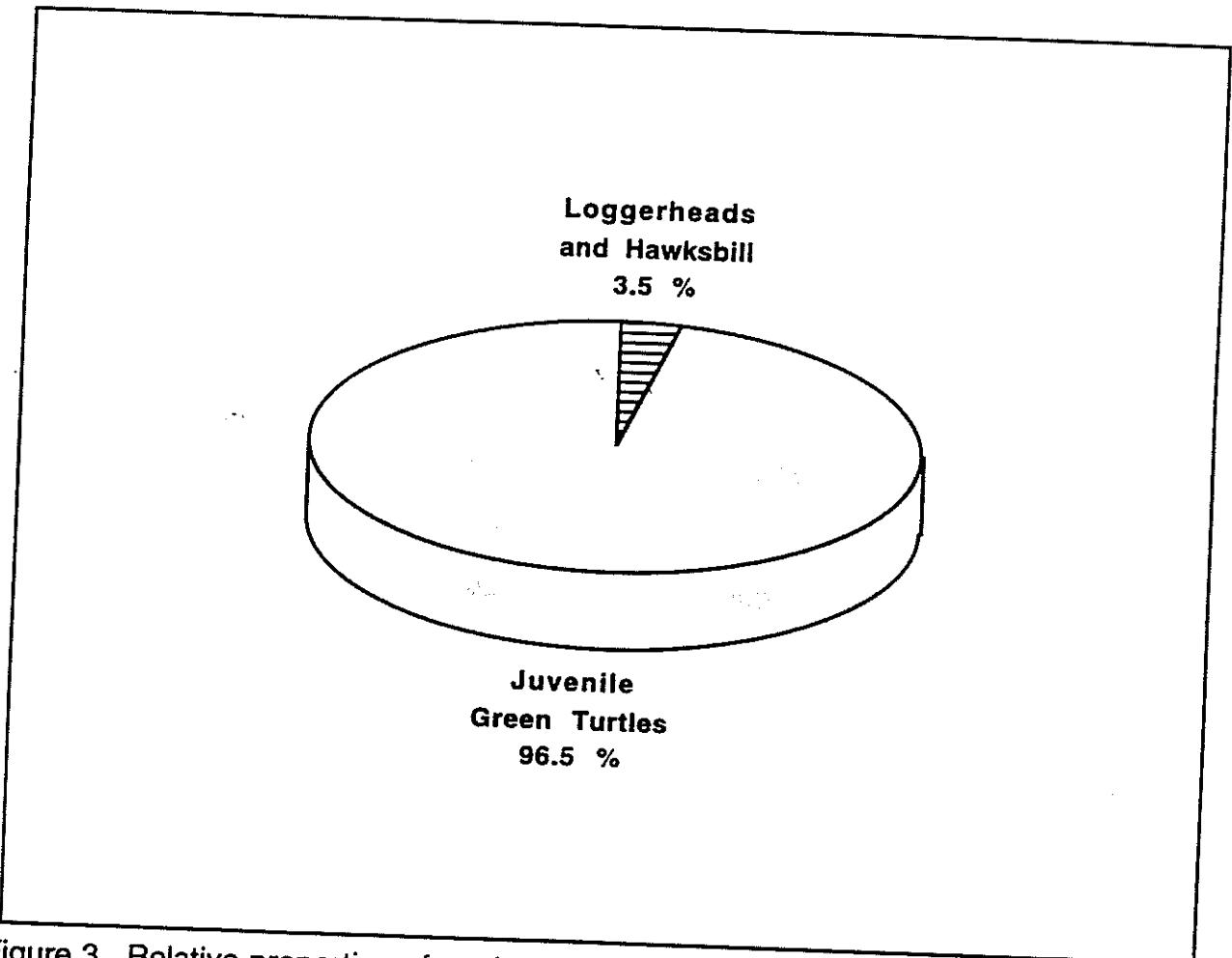


Figure 3. Relative proportion of marine turtle species over the Sabellariid worm reefs, Indian River Co., Florida from June, 1989 through July, 1995.

of the large number of loggerheads captured in a similar reef habitat off Hutchinson Island, St. Lucie Co., Florida less than 60 km to the south (Ernest et al., 1989).

### **Population Structure**

#### **Lagoon Green Turtles**

The SCL measurements for all initial capture green turtles, including the adult male, ranged from 24.3 to 97.2 cm with a mean of 40.8 cm. The range of the juvenile green turtle SCL measurements was 24.3 to 72.4 cm with a mean of 40.7 cm. Table 14 contains the eight standard measurements and weight of each initial capture juvenile green turtle. A summary including the median, mean, standard deviation and range of each measurement is at the end of that table. Figure 4 shows the distribution of SCL measurements of initial green turtle captures. The measurements of the adult male green turtle are in Table 15.

The structure of the juvenile green turtle population in the central region of the Indian River Lagoon system is similar in both the mean and range of SCL measurements to that reported for some of the other developmental habitats along the Atlantic and Gulf coasts of the U.S., yet dissimilar in mean and/or range to others. There doesn't seem to be a discernible geographical pattern. Table 16 contains a summary of means and ranges of carapace length measurements reported for green turtles from Texas to Long Island, New York and should be referred to for the following discussion.

The mean and range of the SCL measurements obtained from the initial capture juvenile green turtles from the central region of the IRLS are similar to those captured over the Sabellariid worm reefs in northern Indian River Co., Florida; in the South Bay/Mexaquito Flats next to Padre Island, Texas (Coyne, 1994), and to those reported for juvenile green turtles cold stunned in 1985 in the northern region of the IRLS by Witherington and Ehrhart (1989). Wershoven and Wershoven (1989) reported a

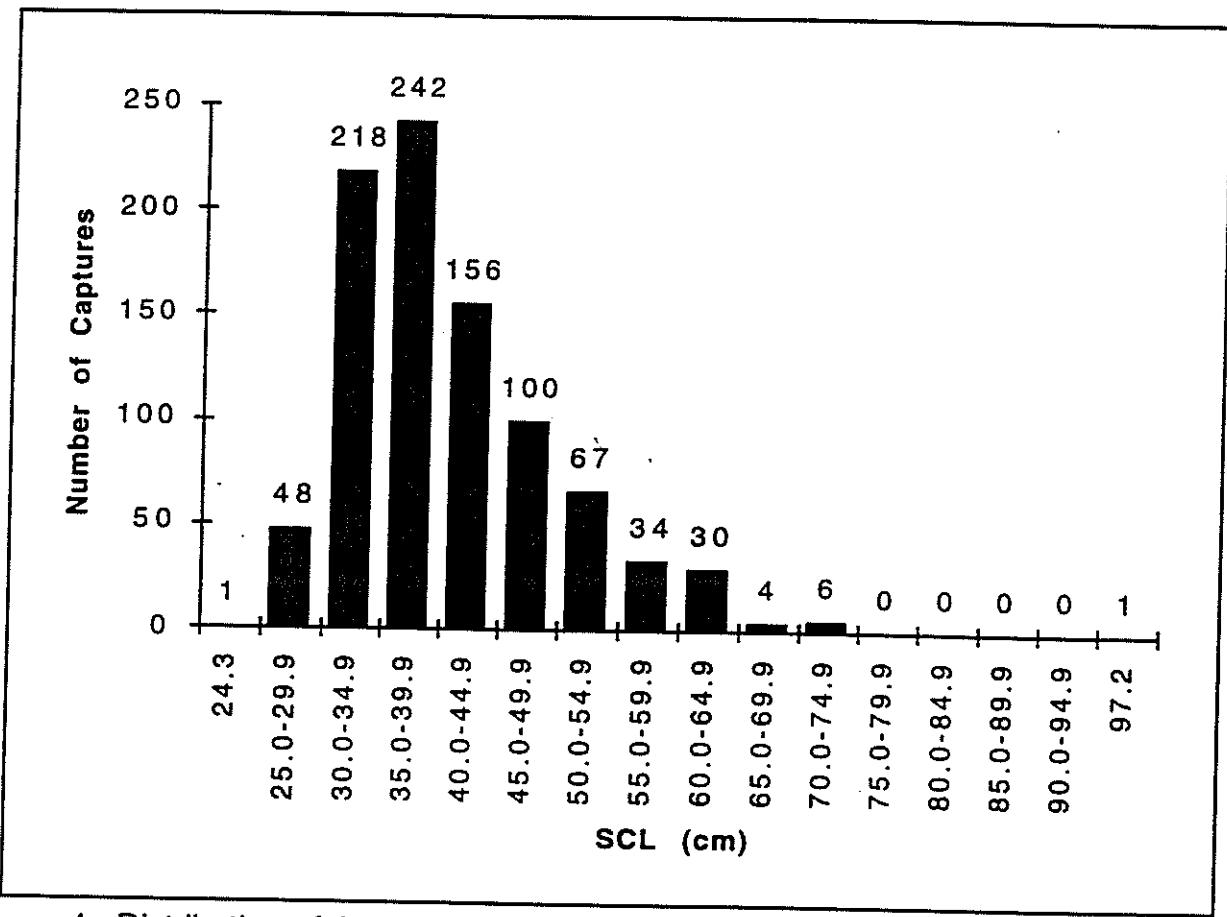


Figure 4. Distribution of the standard carapace length measurements of initial capture green turtles from the central region of the Indian River Lagoon System, Florida, May, 1982 through May, 1996.

similar range for green turtles they hand captured on the limestone reefs off of Broward County (they did not report a mean).

Although similar SCL ranges were reported by Henwood and Ogren (1987) for green turtles captured in the Cape Canaveral area, and by Ernest et al. (1989) for the nearshore waters off Hutchinson Island, the means they reported were noticeably lower (33.8 cm and 35.6 cm respectively) than that of the central region IRLS green turtles. The differences may be a result of capture method rather than in any real difference in the structure of the populations. Henwood and Ogren captured turtles using a shrimp trawler. The larger green turtles may more easily avoid the slow moving trawl nets than the smaller individuals. Sample size could also be a factor. Only 20 individuals were caught in the Cape Canaveral area compared to 907 in the central region of the IRLS.

The green turtles reported by Ernest et al. (1989) from the nearshore waters of Hutchinson Island were captured when they entered the mouths of power plant cooling water intake pipes 365 m offshore and rapidly transported by currents into the power plant intake canal. They noted that over 80 % of the Hutchinson Island juvenile greens were less than 40 cm SCL. Of the green turtles captured in tangle nets in the central region of the Indian River Lagoon, only 56 % were less than 40 cm SCL. It could be that smaller green turtles are more susceptible to being swept into the intake canal by the currents in the intake pipe; or that the mesh size of the tangle nets allows a greater proportion of smaller turtles to slip through or escape; or a combination of these factors. The idea of capture method selectivity gains some support from the results reported below of tangle netting in an environment similar to that found around the Hutchinson Island intake pipes- the nearshore Sabellariid worm reefs off Indian River County. There only 49 % of the green turtles were less than 40 cm SCL.

It is difficult to explain why the 40.7 mean SCL of the central region IRLS juvenile

green turtles is so much lower than the 48.2 mean SCL reported by Ehrhart (1983) for northern region IRLS green turtles captured in tangle nets and cold stunned in 1977 and 1981, and the 52.3 mean SCL reported by Schroeder et al. (1990) for green turtles cold stunned in 1989 in the northern region. This is especially true in light of the similarity of the central region IRLS mean and the 44.0 cm mean reported by Witherington and Ehrhart for cold stunned green turtles in the northern region in 1985. A contributing factor may be the proximity of the northern region and central region populations to inlets. The Mosquito Lagoon, Banana River and the northern portion of the Indian River are 24 to 64 kilometers from Ponce DeLeon Inlet and even further from Sebastian Inlet. The South Bay netting site is 3 km from Sebastian Inlet. The recruitment rate of the smaller animals that have recently left the pelagic habitat is probably greater for the central region population than that of the northern region population.

What is easier to explain is the differences between the mean and range of the central region IRLS green turtles and the identical means (31.3 cm) and almost identical ranges (22.2-47.9 cm and 22.9-48.1 cm respectively) reported for the Brazos Santiago Pass, Texas green turtles (Coyne, 1994) and the Trident Turning Basin, Port Canaveral, Florida green turtles (Ehrhart and Redfoot, 1996). The two latter populations are found in man made habitats-along rock jetties at Brazos Santiago Pass and in the rock lined turning basin. Feeding ecology studies conducted in both areas reveled that the small green turtles were feeding exclusively on the algal mat growing on the rocks. The researchers involved in both studies came to the same conclusion; the algal mat did not provide enough biomass to support turtles in the 50 cm SCL and larger size classes.

The curved carapace length measurements for green turtles stranded in the Florida Keys ranged from 12 to 94 cm (Wells and Bellmund, 1990). The presence of small

green turtles in the < 20 cm carapace length size class distinguishes the Florida Keys from all other known developmental habitats along the U.S. Atlantic and Gulf Coasts. These smaller animals were probably still in the pelagic stage of their life history and were brought into the Florida Keys developmental habitat by eddies of the current that flows to the east through the Florida Straits.

The range (34.6 to 76.3 cm) and mean (60.0 cm) of green turtles reported by Carr and Caldwell (1956) for the Cedar Key to Crystal River area of Florida's Gulf Coast suggest a developmental habitat favorable to the larger size classes of juvenile green turtles. However, this bias towards the larger size classes may be an artifact of the source of the turtles measured rather than representative of the actual population structure. In the 1950's turtle fishing was still legal and there was an active turtle fishery along the Gulf Coast as well as elsewhere. Carr and Caldwell measured animals brought into fish houses for sale by commercial fishermen that were specifically fishing for green turtles using large mesh tangle nets. They noted that the large mesh size of the tangle nets may have allowed smaller individuals to escape. There may have also been a conscious selection on the part of the fishermen. Smaller turtles were referred to as "housekeepers" by the fishermen and were released when caught (Larry Ogren, pers. com.; Jeff Schmid, pers. com.). It was felt they attracted other turtles to the area.

The dissimilar ranges and/or means that were reported by Morreale et al. (1990) for Long Island Sound, New York, by Barnard et al. (1989) for the Chesapeake Bay and coastal waters of Virginia, and by Epperly et al. (1995) for Pamlico and Core Sounds, North Carolina might well be due to the small sample sizes for those areas.

The differences in the population structures reported for green turtle developmental habitats along the Gulf and Atlantic Coasts do not reveal any geographical pattern. Instead they seem to reflect the differences in quantity of food available and the

method used to obtain data (ie. tangle nets vs intake pipes vs strandings).

#### Lagoon Loggerheads

The range of SCL measurements for all central region IRLS initial capture loggerheads was 41.5 to 103.0 cm with a mean of 64.4 cm (Figure 5). The mean SCL of the subadult lagoon loggerheads was 62.6 cm, and ranged from 41.5 to 82.5 cm.

Table 17 contains the eight standard measurements and weight of each initial capture subadult loggerhead. A summary including the median, mean, standard deviation and range of each measurement is at the end of that table. Table 18 has the sex, standard measurements, and weights of the adult loggerheads. Because of the difficulty in landing adult loggerheads when in the small boats used to tend the nets and in handling them once they were aboard, weights and some measurements were not obtained for several of these animals.

Unlike the green turtles, there seems to be a geographical pattern to the differences in loggerhead population structures. In general, the population structure of the central region IRLS loggerheads is similar to that reported for other habitats along the Atlantic Coast of Florida and the coast of Georgia; but dissimilar to those reported for habitats along the mid-Atlantic and northeastern U.S. coast, and the Florida Keys. An examination of Table 19 shows that the mean and range of SCL measurements obtained from all initial capture loggerheads in the central region of the Indian River Lagoon system is similar to those reported for loggerheads in the northern region of the lagoon system by Ehrhart (1983); for loggerheads from the Canaveral Ship Channel and waters adjacent to Cape Canaveral, Florida (Ogren and McVea, 1982; Henwood, 1987); to those reported by Ernest et al. (1989) from the nearshore waters off Hutchinson Island, Florida; and to those noted by Hillestad et al. (1978) from the coastal waters of Georgia.

There is a noticeable disparity between the lower ends of the range of Florida

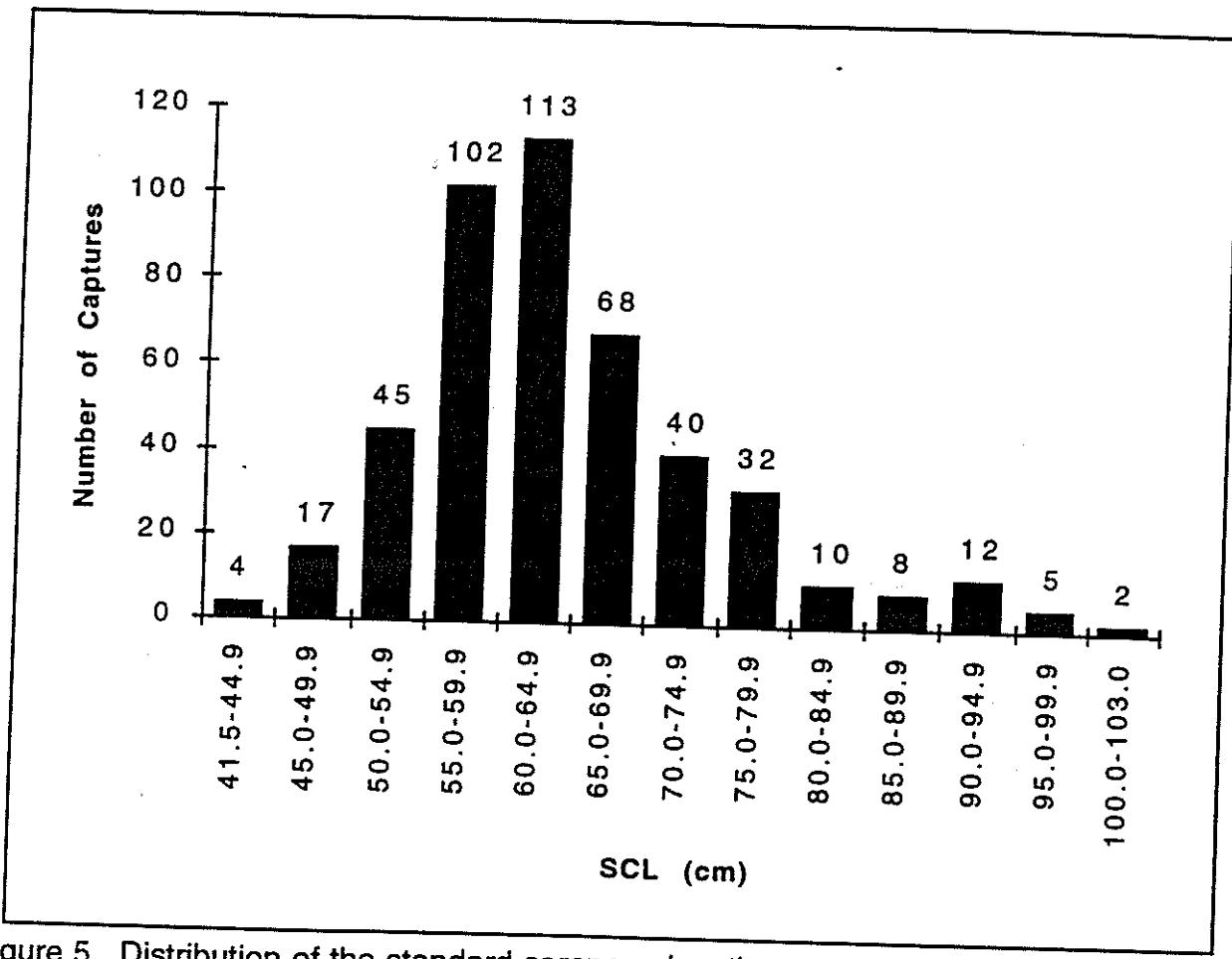


Figure 5. Distribution of the standard carapace length measurements of initial capture loggerheads from the central region of the Indian River Lagoon System, Florida from May, 1982 through May, 1996.

Atlantic Coast and Georgia loggerhead SCL measurements and those reported from North Carolina (Crouse, 1988), Virginia (Lutcavage and Musick, 1985), New Jersey (Eggers, 1989), New York (Morreale et al., 1992), and the Florida Keys (Wells and Bellmund, 1990). In those localities records exist for a small but significant number of individuals whose carapace length ranged from approximately 10 cm to 40 cm. The capture or stranding of a loggerhead with a SCL less than 40.0 cm, other than post-hatching sized individuals, is virtually unheard of along Florida's Atlantic Coast (Ehrhart, 1987). The records of small loggerheads "down stream" (i.e. down drift along the Gulf Stream) of the Florida nesting beaches along the mid-Atlantic and northeastern coast suggests some juvenile loggerheads stay on this side of the Atlantic Ocean during the pelagic stage of their life cycle rather than make a complete circuit of the Atlantic via the northern subtropical gyre. Perhaps they get caught up in the meanders and eddies of the Gulf Stream. The small loggerheads in the Florida Keys may have originated on nesting beaches on the Gulf Coast and were then brought in from the pelagic habitat by currents. It is important to note that the records from the Florida Keys are based on the strandings of dead, sick, or injured turtles; not live, in-water captures.

#### Reef

The range of SCL measurements of the juvenile green turtles captured over the Sabellariid worm reefs was 25.1 to 67.0 cm with a mean of 41.1 cm (Figure 6.). Table 20 contains the eight standard measurements and weight of each initial capture green turtle. A summary including the median, mean, standard deviation and range of each measurement is at the end of that table. The structure of the reef population was not significantly different from that of the lagoon juvenile green turtle population ( $t = -1.473$ ,  $df = 314$ ,  $P = 0.142$ ). In light of this, the discussion of the structure of the lagoon

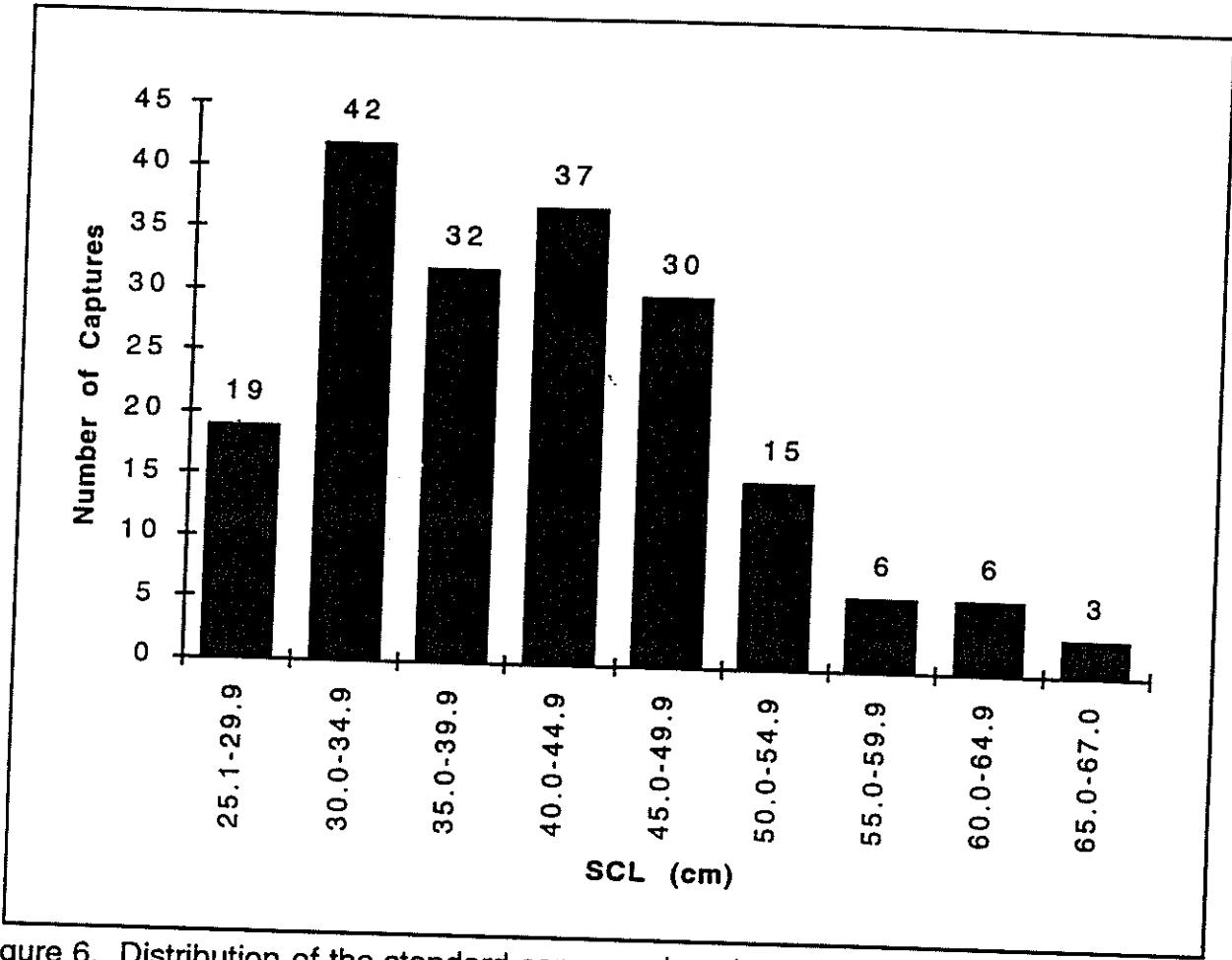


Figure 6. Distribution of the standard carapace length measurements of initial capture green turtles from the Sabellariid worm reefs, Indian River Co. Florida from June, 1989 through July, 1995.

juvenile green turtle population above can apply to that of the reef population.

As noted above, the capture of so few loggerheads over the Sabellariid worm reefs is hard to understand, especially since they are commonly seen by sport divers over the reefs further south along Florida's east coast. Because so few were captured, a comparison to other loggerhead developmental habitats would not be meaningful. Table 21 contains the eight standard measurements and weight of each of the loggerhead captures.

### **Relative Population Size**

#### **Indian River Lagoon System**

From July, 1982 through June, 1996 tangle nets varying from 0.357 to 0.455 kilometers in length were deployed 453 times for a total of 1,930.6 hours. Loggerheads had an overall mean CPUE of 0.75 captures per kilometer hour of net soak and green turtles had an overall mean CPUE of 1.44.

Figure 7 shows the variation in loggerhead CPUE between the combined years of 1983-85, 1988-90, and 1993-95. Although there was some variation between the three spans of years, it was not statistically significant ( $K-W = 1.244$ ,  $df = 2$ ,  $P = 0.5369$ ). The descriptive statistics of each of the samples in the loggerhead combined years data set are in Table 22.

The analysis of the loggerhead CPUE samples in the between season data set also showed no statistically significant variation ( $K-W = 2.51$ ,  $df = 3$ ,  $P = 0.4728$ ). The descriptive statistics of each of the samples in the loggerhead between seasons data set are in Table 23. The relatively flat loggerhead CPUE rates over the span of a year can be seen in Figure 8.

Green turtles, on the other hand, had statistically significant differences both between years ( $K-W = 21.3$ ,  $df = 2$ ,  $P < 0.0001$ ) and between seasons ( $K-W = 50.1$ ,  $df = 3$ ,  $P < 0.0001$ ). As can be seen in Figure 7 and by the results of Dunn's multiple

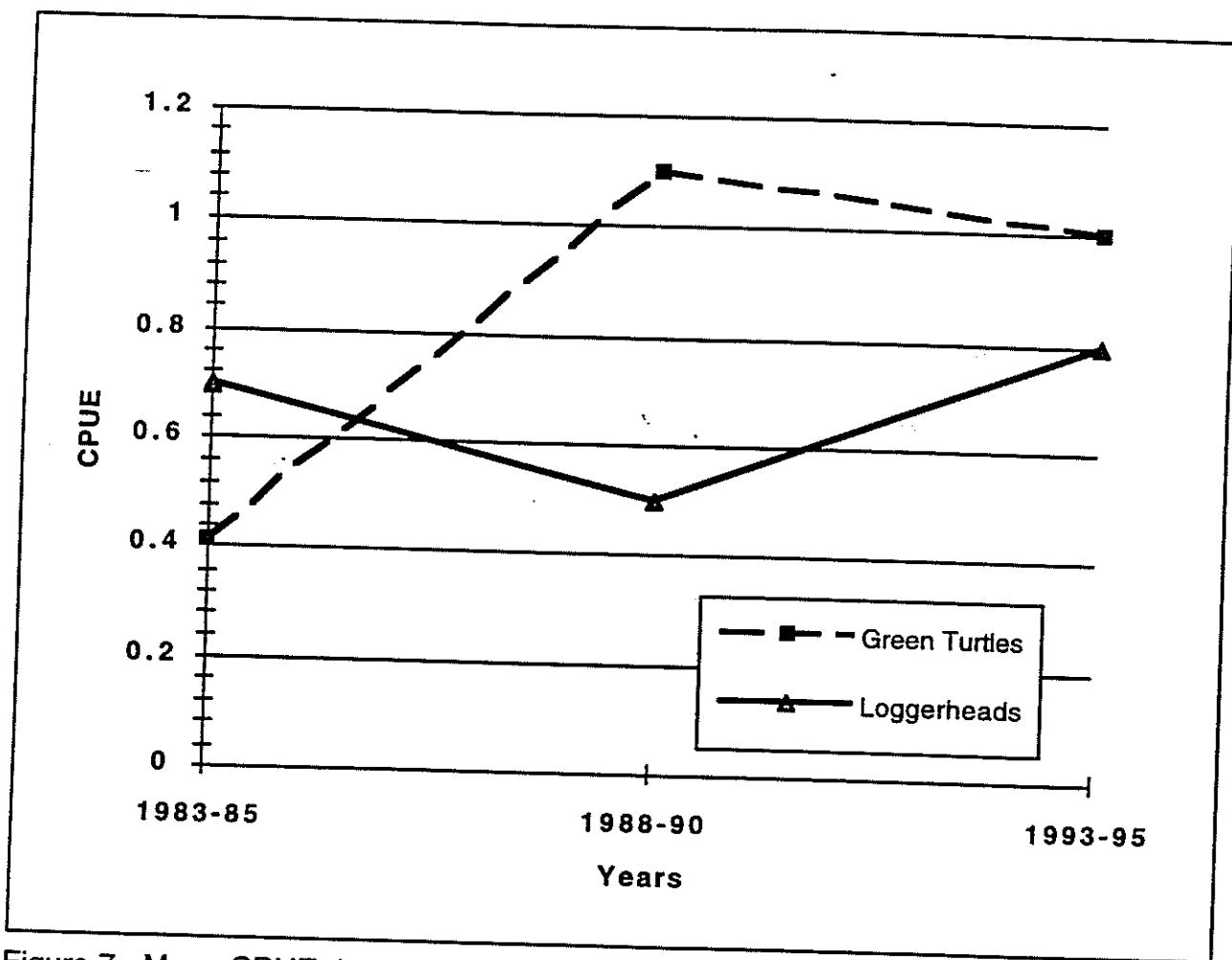


Figure 7. Mean CPUE in combined years over the span of the study for green turtles and loggerheads in the central region of the Indian River Lagoon System.

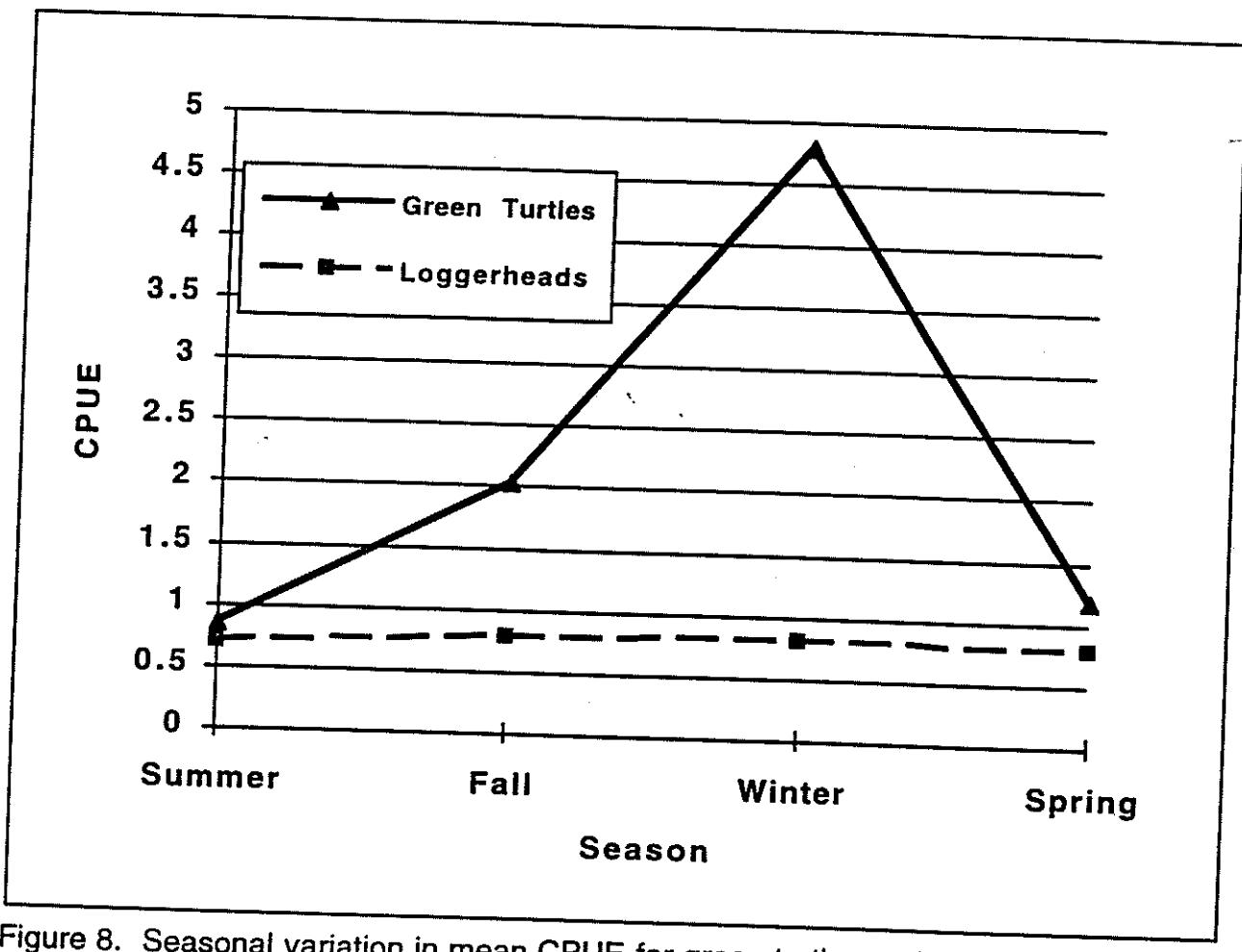


Figure 8. Seasonal variation in mean CPUE for green turtles and loggerheads in the central region of the Indian River Lagoon System.

comparison test, the 0.41 green turtle mean CPUE for the years 1983-85 was significantly less than the 1.1 green turtle mean CPUE for 1988-90 ( $P < 0.001$ ) and the 1.0 green turtle mean CPUE for 1993-95 ( $P < 0.01$ ). The CPUEs for 1988-90 and 1993-95 were not significantly different from each other ( $P > 0.05$ ). The descriptive statistics of each of the samples in the green turtle combined years data set are in Table 22.

The increase in green turtle capture rates suggests an overall increase in the numbers of green turtles in the central IRLS developmental habitat from the early years of the study to the mid and later years of the study. It is tempting to herald this increase as an indication of the effectiveness of the Endangered Species Act of 1973 and of the conservation efforts of a number of individuals and organizations. Legislation and conservation probably contributed to the increase. However caution must be exercised in viewing these results. The 14 year span of this study has been relatively lengthy as field studies go, but for a species that takes anywhere from 20 to 50 years to reach sexual maturity (Balazs, 1982; Frazer and Ehrhart, 1985) that span of time covers only a fraction of one generation. Changes in environmental conditions such as alteration of habitat due to human activity and natural fluctuations in food supply in other areas of the lagoon system may have also influenced the population density in the study area.

It is important to note that there was a surprisingly large, highly significant increase in the green turtle capture rates in the lagoon during the winter and spring of the present contract year (June, 1995 through May, 1996; mean = 4.58, median = 1.59) compared to that of previous years (mean = 1.18, median = 0.82) (Wilcoxon test - ChiSquare = 20.87, df = 1,  $P < 0.0001$ ). The increase was so extraordinary (Figure 9) that it defies objective interpretation. On some days we were literally overwhelmed (as never before) by the numbers of green turtles captured; we exhausted our supply of

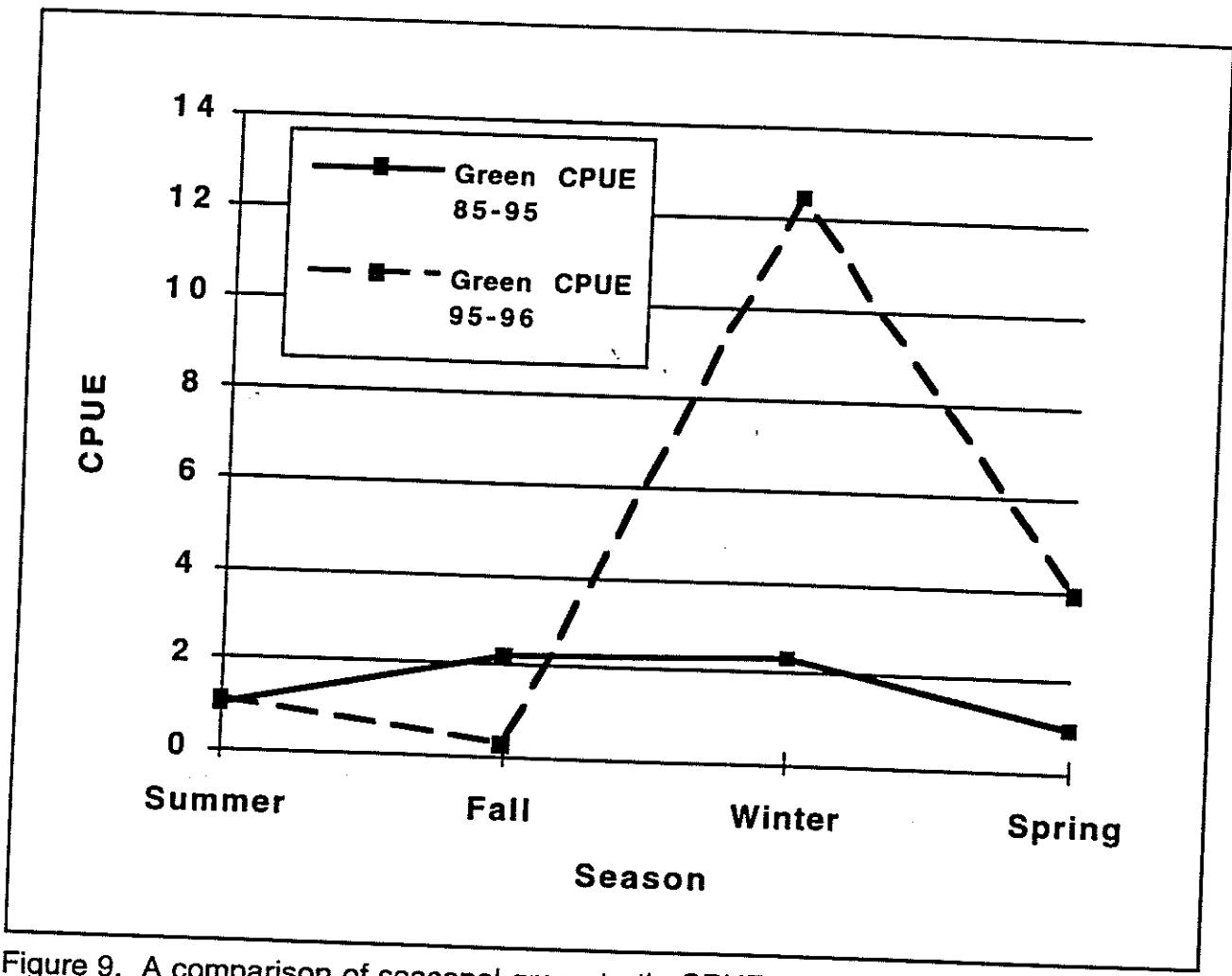


Figure 9. A comparison of seasonal green turtle CPUE between January, 1985 through May ,1995 and June, 1995 through May, 1996.

tags and other consumables. This marked increase may constitute the culmination of the upward trend seen over the past 12 years (Figure 7), it may portend another stepwise increase in the relative population density of the lagoonal green turtle population, or it may be nothing more than the kind of aberrant departure from normal that often characterizes the dynamics of marine animal populations. This uncertainty about the meaning of the CPUE surge underscores the need to continue to study the Indian River green turtle population. There was no comparable increase in loggerhead CPUE in 1995-96 (mean = 0.86, median = 0.45) over that of previous years (mean = 0.72, median = 0.53) (Wilcoxon test - ChiSquare = 0.0, df = 1, P = 0.998).

Figure 8 shows the cyclic nature of green turtle abundance in the lagoon throughout the year. The results of Dunn's multiple comparison test indicate that green turtles are more abundant during the fall and winter than during the spring (fall vs spring P < 0.05, winter vs spring P < 0.001) and summer (fall vs summer P < 0.001, winter vs summer P < 0.001). A comparison of fall vs winter and spring vs summer did not show a significant difference (P > 0.05). The descriptive statistics of each of the samples in the green turtle between seasons data set are in Table 23.

The marked increase in green turtle abundance in the study area during the fall and winter may be due to food supply and seasonal migration. Preliminary results of a feeding ecology study have shown that green turtles in the study area are primarily foraging on drift algae. A study of seasonal abundance of drift algae in the central region of the IRLS by Virmstein and Carbonara (1985) showed a greater abundance during the cooler months of the year and a marked decrease during the late spring and summer. There seems to be a succession in the abundance of different species of drift algae from season to season. Certain species may be more palatable to green turtles than others, which could result in an influx of green turtles in the study area when the more favored species are in greater abundance

The greater population density during the fall, winter and early spring and decrease during late spring and much of the summer may also be influenced by migrations induced by changes in water temperature in more northern latitudes. Lazell (1980) reports a "regular, summering population of young greens in Nantucket Sound" based on anecdotal evidence. Green turtles are also known to be found in Long Island Sound, New York (Morreale et al., 1992); Chesapeake Bay, Virginia (Barnard et al., 1989); and Pamlico and Core Sounds, North Carolina (Epperly et al., 1995). Presumably these animals migrate southwards as water temperatures cool during the fall and may enter the central region of the IRLS via Sebastian Inlet.

Juvenile green turtles that stay within Florida waters during the summer may also migrate southwards during the late fall. Carr and Caldwell (1956) noted the disappearance of juvenile green turtles from the shallow Gulf Coast waters off of Cedar Key and Crystal river in the early fall and their reappearance in early spring. Mendonca and Ehrhart (1982) reported a cyclic fluctuation in CPUE in Mosquito Lagoon, in the northern region of the IRLS, which is virtually the reverse of that in the central region. Mendonca (1983) noted "erratic long distance wandering" of green turtles when water temperature dropped, and suggested they might be trying to find their way out of the lagoon to find warmer water. With the behavior of Gulf Coast and Mosquito Lagoon green turtles in mind, it is reasonable to suggest that greens from the northern region of the Indian River Lagoon system, and lagoons and estuaries along the coast of Georgia and northeastern Florida are migrating to the central and southern regions of the the Indian River Lagoon system to forage during the winter months.

#### Sabellariid Worm Reefs

From June, 1989 through July, 1995 tangle nets varying from 0.02 to 0.22 kilometers in length were deployed 106 times for a total of 204.2 hours. Loggerheads

had an overall mean CPUE of 0.23 captures per kilometer hour of net soak and green turtles had an overall mean CPUE of 6.28.

Figure 10 depicts the mean CPUE for each species for the years 1989 through 1995. The fluctuations in CPUE for green turtles may be due to changes in surf and water clarity conditions encountered from year to year; or could be actual short term fluctuations in population density. It will take several more years of study to elucidate any population trend.

Despite the fluctuations from year to year in the reef CPUE, overall the reef CPUE is significantly higher (mean = 6.28, median = 2.08) for 1989 through 1995 than the lagoon green turtle summer CPUE (mean = 0.85, median = 0.66) for the same time span (Wilcoxon test - ChiSquare = 11.14, df = 1, P = 0.0008). This may indicate that there is a greater population of green turtles over the reef during the summer, or that the foraging area is more concentrated over the reefs resulting in a higher capture rate.

## Sex Ratios

Results of some of the radioimmunoassay (RIA) determinations of testosterone titers in the blood of reef green turtles and lagoon greens and loggerheads are given in Tables 24 and 25. Not all of the testosterone titrations have been completed by the Texas A&M lab at the time of this writing and the sample size for lagoon loggerheads is quite small. As a result the observed 4:1 (female:male) ratio does not attain statistical significance (Fisher's Exact Test, P=0.35) and not much is contributed to the problem of natural sex ratios of loggerhead populations as yet. The literature presents a very confused picture with respect to sex ratios of both loggerheads and green turtles worldwide, in the southeastern U.S., and in the Indian River Lagoon system of

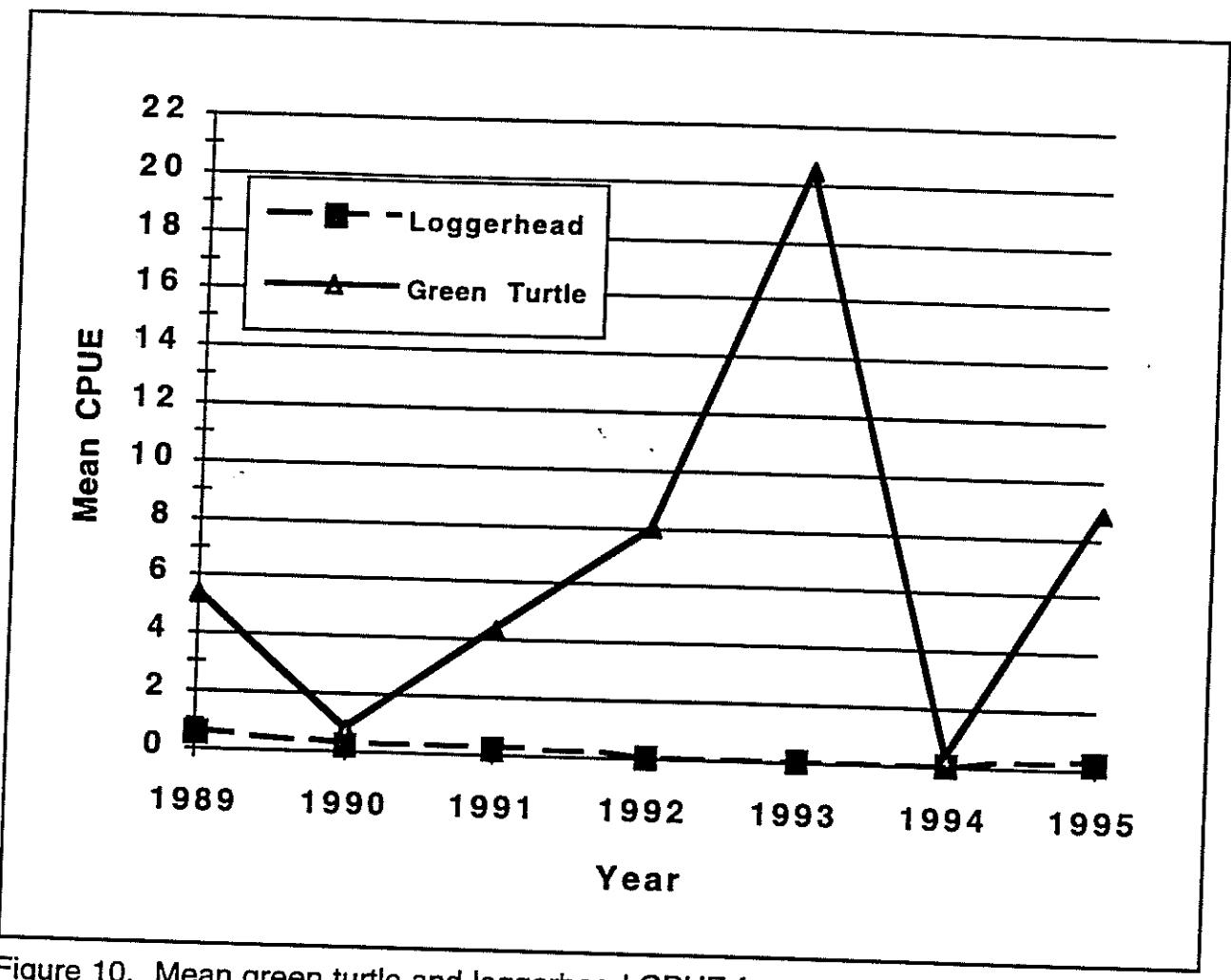


Figure 10. Mean green turtle and loggerhead CPUE for each year of the Sabellariid worm reef study.

Florida. The whole question of what constitutes a "normal" or representative sex ratio of a species or population of marine turtles is hard to deal with. Variables such as sex-dependent variations in migration patterns and the multi-annual reproductive intervals exhibited by females make interpretations of adult sex ratio data difficult to interpret (Wibbels et al., 1987). It doesn't make much sense to use hatchling sex ratios either, because of the reality of temperature-dependent sex determination. There is some agreement among sea turtle reproductive physiologists and population biologists that examination of the sex ratio in the juvenile-through-subadult portion of the population is "an effective initial step" (Wibbels et al., 1987). Studies of two loggerhead populations in the southeastern U.S. (Port Canaveral and Hutchinson Island) which involved large sample sizes showed female-biased ratios that were statistically significant (Wibbels et al., 1987) but the same authors found ratios not significantly different from 1:1 in loggerheads from the Indian River Lagoon and Chesapeake Bay. Another, independent, study of loggerheads from the same location in the Indian River Lagoon, which used the same RIA technique, found a 0.8:1.0 (female:male) ratio (Luepschen, 1987). If the female bias seen in our small sample persists when more of the titrations have been completed (as N becomes larger), these results may contribute to a developing consensus that subadult loggerheads in southeastern U.S. waters generally exhibit female-biased sex ratios.

The picture is even more confused for green turtles, primarily because ratios based on necropsy results have provided different ratios than those based on RIA titrations. In studies of immature green turtles in Hawaii (Wibbels et al., 1993) and the southern Bahamas (Bolten et al., 1992), where only the RIA technique was used, no female bias was observed. In an earlier study of green turtles in the Indian River Lagoon at Sebastian (same site as the current study), Luepschen (1987) reported a 0.9:1.0 (female:male) ratio using RIA but found significant female bias (2.3:1.0) in a sample of

necropsied green turtle carcasses from the same region. Later, Schroeder and Owens (1994) observed a 1.75:1.0 (female:male) ratio in a large sample of necropsied carcasses of immature green turtles, the result of a severe cold-water episode in the northern part of the Indian River system (Mosquito Lagoon) in December, 1989. They were unable to predict sex ratios from rescued survivors of that hypothermic event, however, because RIA analysis of a large sample of them failed to provide a bi-modal distribution of testosterone titers.

The data in Table 25 provide a female:male ratio of 3.4:1.0, which is significantly different from 1:1 at  $P= 0.045$  by a Fisher's Exact Test. This result agrees with Luepschen's and Schroeder and Owens' necropsy-based ratios but conflicts with Luepschen's RIA-based ratio for turtles captured at exactly the same locality, but 10 years earlier. It only adds to the confusion to note that the data in Table 24, giving the RIA-based results for the reef-dwelling juvenile green turtles, provides a 1.3:1.0 (female:male) sex ratio ( $P=0.80$ , ns) for animals captured at virtually the same latitude as the lagoon turtles, but in the ocean, a few hundred meters off the barrier island beach.

As of this writing, then, it appears that RIA-based sex determinations should be regarded with caution because they are often at odds with those provided by the "tried and true" method of gross examination of the gonads. With that as a caveat, however, it can be observed that these results provide additional evidence of female bias in the sex ratio of juvenile green turtles in the Indian River Lagoon, especially its central region. As noted above there is conflicting evidence on this point but the preponderance of evidence points to female bias. Just how that can be reconciled with the apparent absence of bias in the reef population "next door" is a matter that awaits further study.

## **Ecological Geography and Genetics**

### **Remote Recoveries**

#### Green Turtles and Hawksbills

The mass of morphometric and relative density data given above and the information about foraging ecology below make it clear that the lagoon and the nearshore reefs are juvenile foraging areas for green turtles and constitute "developmental habitats" in the sense of Carr et al. (1978). It is also clear, however, that green turtles do not remain in these habitats to maturity. Even the largest of the greens captured in the lagoon and over the reefs are not close to adult size. It follows that these green turtles move out of the lagoon, off the reefs and away from the east Florida coast to some other, "subadult developmental habitat," to complete the maturation process. Just where they go after departing the lagoon and the reefs is the question that we have been trying to answer for almost 15 years, through an exhaustive tagging effort evidenced by the data in Table 14. The "game" of long-distance tag recoveries is one of very small probabilities and few other investigators have been tagging juvenile turtles. The principal exception, of course, is the St. Lucie nuclear power plant near Ft. Pierce, Florida, where relatively large numbers of juvenile green turtles have been captured, tagged and released in recent years. Information about remote recoveries of those animals is not yet available. All of this makes the relatively few remote recoveries of Indian River green turtles reported here (Table 26) all the more valuable. The data from that table are mapped in Figure 11 and they show that a major portion of the recoveries are from the coast of Nicaragua and Belize. There are three from Cuba but in two of them there is no specific locality information.

There have been no remote recoveries of green turtles tagged on the nearshore reef but there has been one remarkable recovery of a turtle from that habitat (Table 27). In October, 1989 we captured a 24 cm (SCL) hawksbill turtle (Eretmochelys) over

the reef. It was the only hawksbill captured in seven summers of work in that habitat but it is true that hawksbills are seen at the Sebastian Inlet jetties occasionally and that carcasses of juvenile hawksbills strand on nearby beaches from time to time. The remarkable aspect is in the fact that this turtle was recovered at Walker's Cay in the Bahamas almost seven years later (Figure 12). The recovery letter provided precious little in terms of method of capture or fate of the turtle but the record constitutes a meager beginning of an understanding of the ecological geography of the small "population" of hawksbills that shares the Sabellariid worm-rock reefs with the green turtles.

In summary, then, the evidence points to the Western Caribbean (and perhaps the Cuban coast) as the next geographically and ecologically distinct "station" in the ecological geography of green turtles that spend their juvenilehood on the east coast of Florida. This statement should be viewed as nothing more than a working hypothesis, in view of the small number of recoveries thus far obtained. As additional recoveries are reported for animals tagged in our study areas in Indian River County, others tagged at the St. Lucie plant and even, perhaps, for green turtles tagged at Bermuda, this idea will be confirmed or refuted. Variations in the routes of travel (obviously oversimplified in Figure 11) and the use of other, unknown developmental habitats could complicate the picture. Also, the role of Cuba in the overall scheme is virtually unknown, even though it could be a major feature.

#### Loggerheads

There have been no remote recoveries of subadult loggerheads tagged in the Indian River Lagoon or over the nearshore reefs. It is clear, however, that loggerheads remain in the lagoon and nearshore waters until they reach the low end of the size range of adult females seen nesting on nearby beaches. We have captured several "maturing males" (75-85 cm CLSL); i.e., animals in which the tail was clearly in the

Figure 11. Remote recoveries of juvenile green turtles tagged and released in the Indian River Lagoon system, Florida.

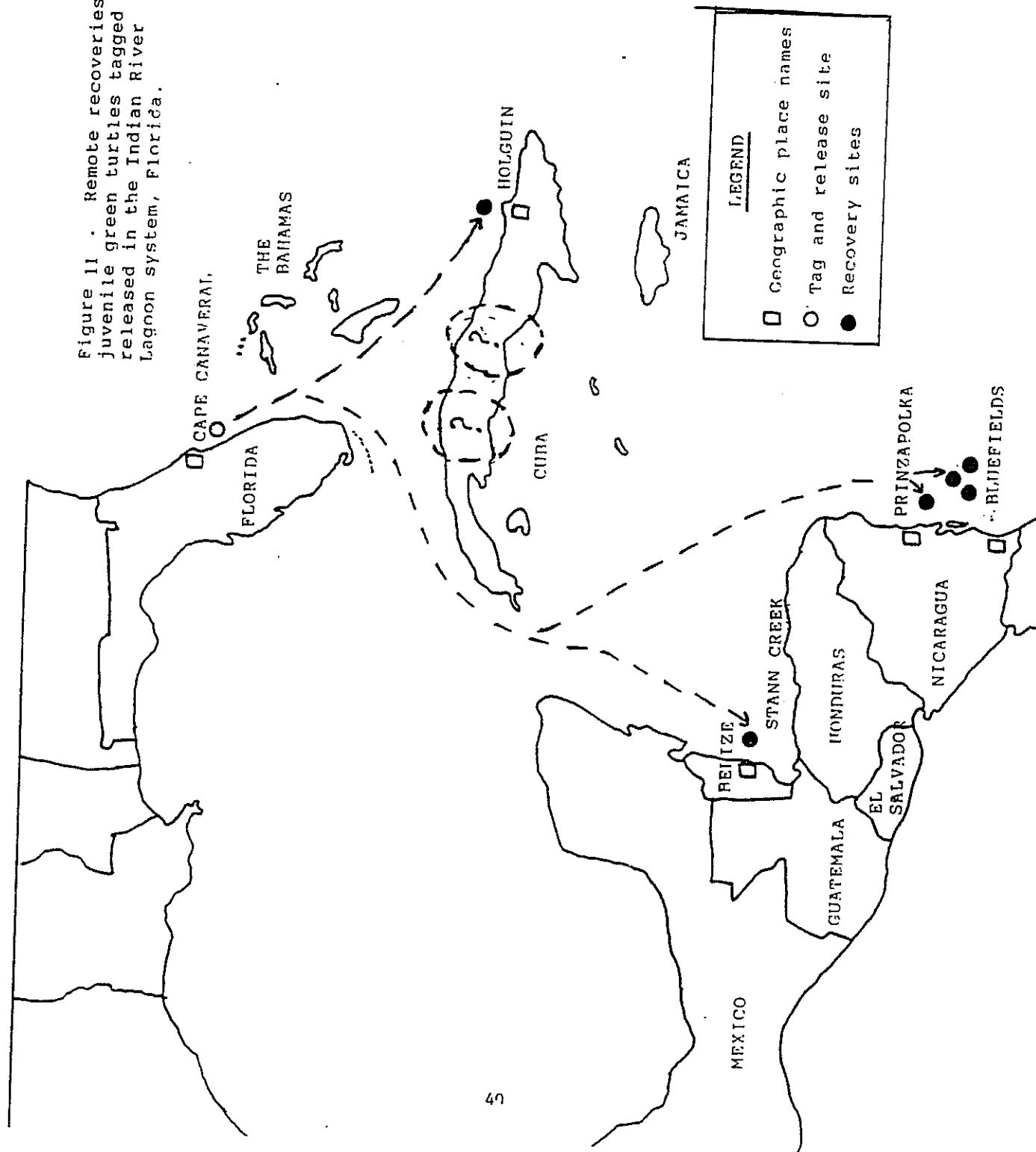
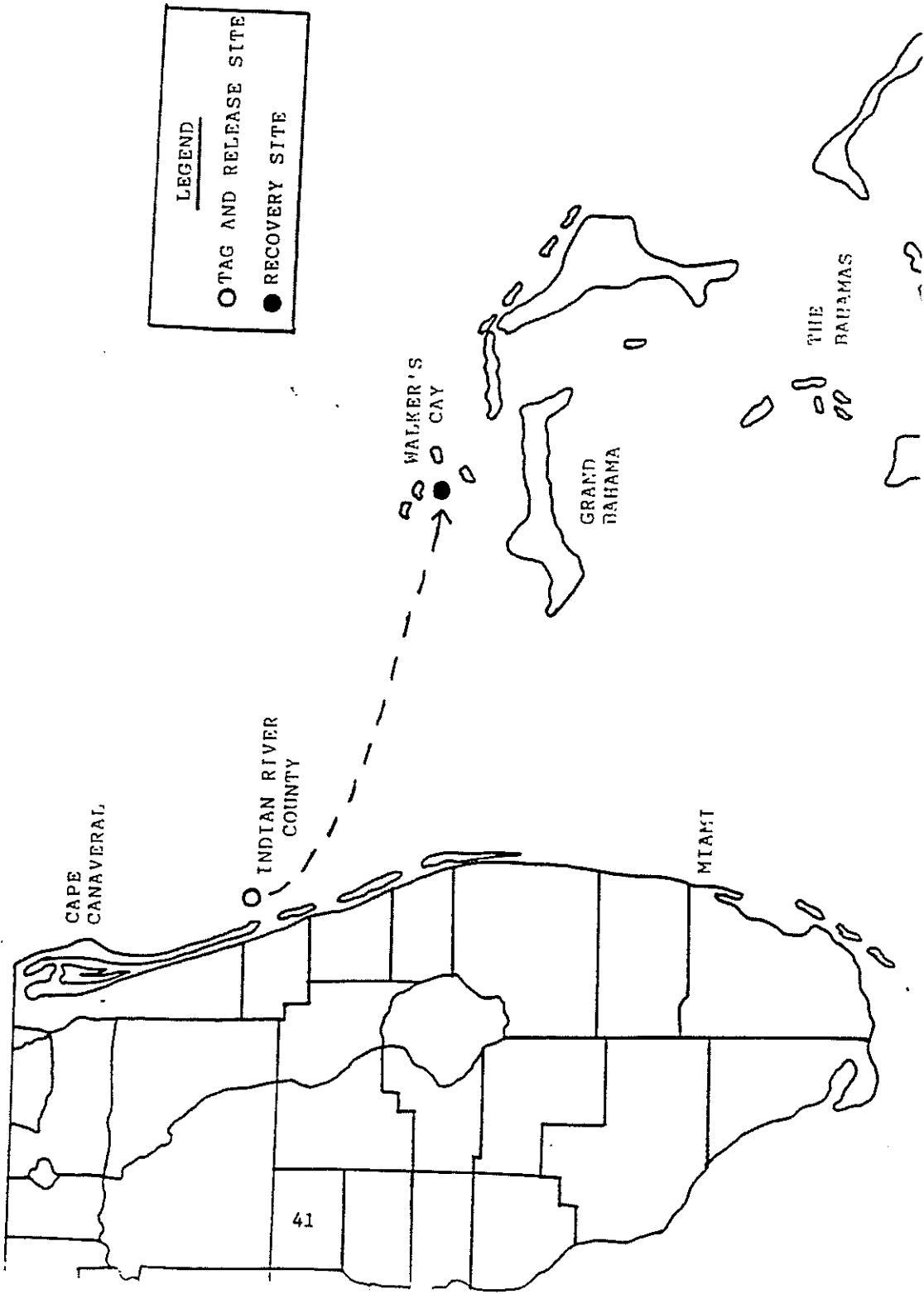


Figure 12 : Remote recovery of a juvenile  
hawksbill turtle tagged and released over  
nearshore Sabellid worm reefs, Indian  
River County, Florida.



process of elongating but not yet of the proportions of a fully adult male. What remains to be explained is exactly how these loggerheads that approach or attain puberty in the lagoon rendezvous with the aggregation of adult loggerheads that remigrate from the known foraging grounds in the Bahamas, Greater Antilles and Gulf of Mexico. Do they make an initial migration to the remote foraging grounds, join the remigrants as they depart for the waters off the nesting beaches and mate there, or do they simply remain on the east Florida coast, rendezvous with the remigrants when they arrive in March and April, participate in their first reproductive episode and then make their first migration to the adult foraging grounds? The answer to this question may require the use of satellite telemetry. The solution may prove to be daunting, even if that high technology is utilized, because there is undoubtedly considerable variation in the size and age at which the loggerheads actually mature (but see below).

#### Domestic Recoveries and Strange Recaptures

##### Green Turtles

Recoveries of lagoon and reef green turtles within Florida are given in Tables 28 and 29. The data show that the great majority of these were local (Brevard, Indian River and St. Lucie Counties, on the Florida Atlantic coast) and occurred after a relatively short time interval (1-2 years). The single exception to this was PPJ156/PPN820, which was captured, tagged and released in the Indian River near Sebastian, Florida, in May of 1986 and recovered eight years later, badly injured by a boat propeller but alive, on the ocean beach in St. Lucie County. The size and age at which individuals recruit to the lagoon or reef aggregations is probably somewhat variable and their period of residence there appears to be equally so. It is worthy of note, however, that there have been no recoveries along the Florida coast south of St. Lucie County; i.e., between the local area and Cuba. It may mean that once the green

turtles begin to move south they do so quickly, moving resolutely to the next developmental habitat. Records of green turtles tagged and released by other investigators and recaptured in the lagoon or over the reef during this study are given in Table 30. They complement the picture given by the domestic recoveries (above) in that they are all of local origin. Six of the 11 records, including two captures of the same animal one year apart on the reef, are of green turtles that were products of the FDNR (now FDEP) "head-start" program in the late 1980's.

When interpreting results such as these one should always bear in mind that the tag loss problem has been especially severe for turtles tagged in lagoonal and other estuarine environments. Although the plastic Roto-tags and inconel alloy tags that we now employ have brought improvement to the situation, the problem is far from resolved. But for the tag loss problem we might well have more recoveries at greater intervals and from more variable locations.

#### Loggerheads

Domestic loggerhead recoveries are listed in Table 31. There are more of them than there were for green turtles and there are more extended intervals between tagging and recovery. In addition to one animal that was tagged at Sebastian in 1983 and recovered as a carcass on the beach in St. Lucie County 13 years later, there are records of >5 yr, 6 yr, and >7 yr intervals among the table entries. As in the case of green turtles, however, all of these recoveries are "local;" occurring within the three-county area whose geographic center is near the original capture/tag site just south of Sebastian Inlet. The fact that none of these lagoon-tagged subadult loggerheads has ever been recovered farther south along the east Florida coast has relevance for the discussion above, regarding the question about how these loggerheads join the breeding remigrants prior to their first breeding season. The data in Table 31 suggest that they may not migrate to the adult foraging grounds but, instead, meet the

remigrants in the waters off the east coast nesting beaches. Again, this is only a working hypothesis, one that might require satellite telemetry for solid corroboration.

Records of loggerheads tagged and released by other investigators and recaptured in the lagoon during this study are given in Table 32. As in the case of green turtle strange recaptures, most (14/16) of these loggerheads were tagged and released locally. The exception was an individual tagged in Long Island Sound, N.Y., in September, 1989. It was captured twice in the Indian River at Sebastian in the summer of 1990. Apparently not all subadult loggerheads remigrate to the mid-Atlantic states (Chesapeake Bay and Long Island Sound) after over-wintering in Florida.

#### NMFS Tags Recovered by the UCF Research Group

The UCF Marine Turtle Research Group has been involved in a number of aspects of marine turtle research in addition to the "in-water" work that is the primary subject of this report. The group has been conducting nesting beach research (nest production and reproductive success) at what is now the Archie Carr National Wildlife Refuge and it has been involved in carcass stranding documentation even longer. During the course of these research activities we have encountered a large number of marine turtles bearing tags originally issued by the National Marine Fisheries Service. To the best of our knowledge these recoveries have been reported to NMFS/Miami in a timely fashion but it seems appropriate to provide an updated compilation of these recoveries as a supplement to this report. The complete data set is given in Table 33.

#### MtDNA Analysis

Three distinct haplotypes were found among the ten turtles sampled (Table 34). The most common haplotype represented in the sample of juvenile green turtles (CM III) is shared among four nesting colonies: Florida, Mexico, Costa Rica and Aves Island, at varying frequencies (Encalada et al., 1996). Haplotype CM I, found in two of

the reef turtles, has been identified in nesting females from Florida and Mexico. Interestingly, haplotype CM VIII (found in one lagoon turtle) has been identified only in nesting females from Brazil, Ascension Island and Guinea Bissau. Considering the small sample sizes, all that can be said at present is that the reef and lagoon populations probably derive from multiple rookeries. The magnitude of the various rookeries' contributions is uncertain and awaits analysis of more samples.

### **Foraging Ecology**

From June of 1995 through May of 1996 lavage of the esophagus was performed on 157 juvenile green turtles captured in the Indian River Lagoon; 22 during the summer, 25 captured during the fall, 60 during the winter, and 50 during the spring. Thirty six juvenile green turtles captured over the Sabellariid worm reefs during the summer were lavaged.

Algae was collected in both study areas by SCUBA diving and identified for reference when analyzing the food items obtained by lavage.

Seven lavage samples from the summer lagoon captures, four from the fall lagoon captures, and five from the Sabellariid worm reef captures were randomly selected and examined to determine food items. Because we are still in the food item identification stage of this aspect of the study, no attempt was made to quantify the sample contents. The results of this preliminary examination are as follows.

#### **Indian River Lagoon - Summer**

##### **Algae**

###### **Division Rhodophyta**

Acanthoptera specifica

Bryothamnion seaforthii

Champia pavula (identification tentative)

Gracilaria sp.

Hypnea sp.

Solieria filiformis

a yet to be identified species

Vascular Plants (sea grass)  
Halodule wrightii  
Halophila deinceps

Gracilaria sp. and Bryothamnion seaforthii were the two most abundant food items. Additionally, one sample consisted entirely of unidentified animal tissue (probably from a benthic invertebrate). Another sample contained the same type of animal tissue as well algae.

#### Indian River Lagoon - Fall

##### Algae

###### Division Rhodophyta

Acanthoptera specifica  
Bryothamnion seaforthii  
Champia pavula (identification tentative)  
Gracilaria sp.  
Hypnea sp.

###### Vascular Plants (sea grass)

Halodule wrightii  
Halophila deinceps

As with the summer, Gracilaria sp. and Bryothamnion seaforthii were the two most abundant food items in the fall lavage samples.

#### Sabellariid Worm Reefs

##### Algae

###### Division Chlorophyta

Caulerpa prolifera  
Ulva lactura

###### Division Rhodophyta

Bryocladia cuspidata  
Bryothamnion seaforthii  
Gelidium americana  
Gigartina acicularis  
Hypnea musciformis  
Rhodymenia pseudoplasmata  
Solieria filiformis

#### Fibropapilloma

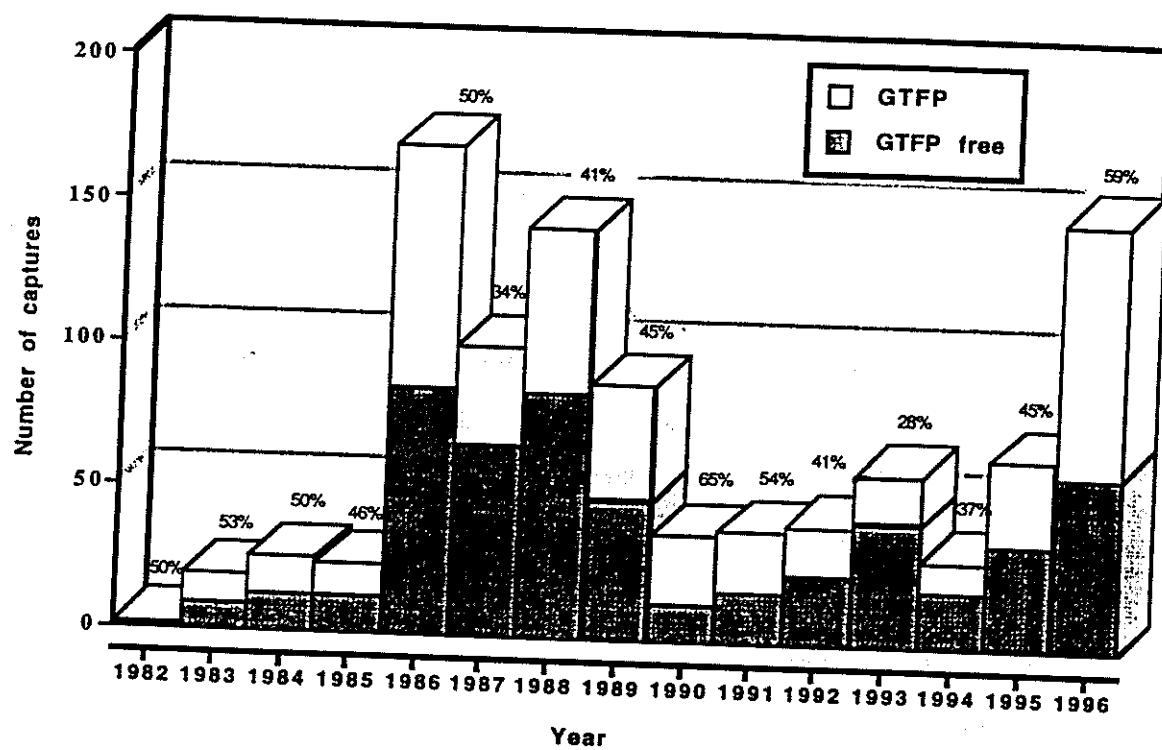
The juvenile green turtle population of Mosquito Lagoon, in the northern part of the Indian River Lagoon (IRL) system, was originally studied between 1975 and 1981. Small numbers of animals were caught by net throughout the year and over 200 more

green turtles were examined after being cold-stunned in January 1977 and 1981. No occurrence of fibropapillomatosis (GTFP) was observed in the green turtles of the Mosquito Lagoon/northern IRL system.

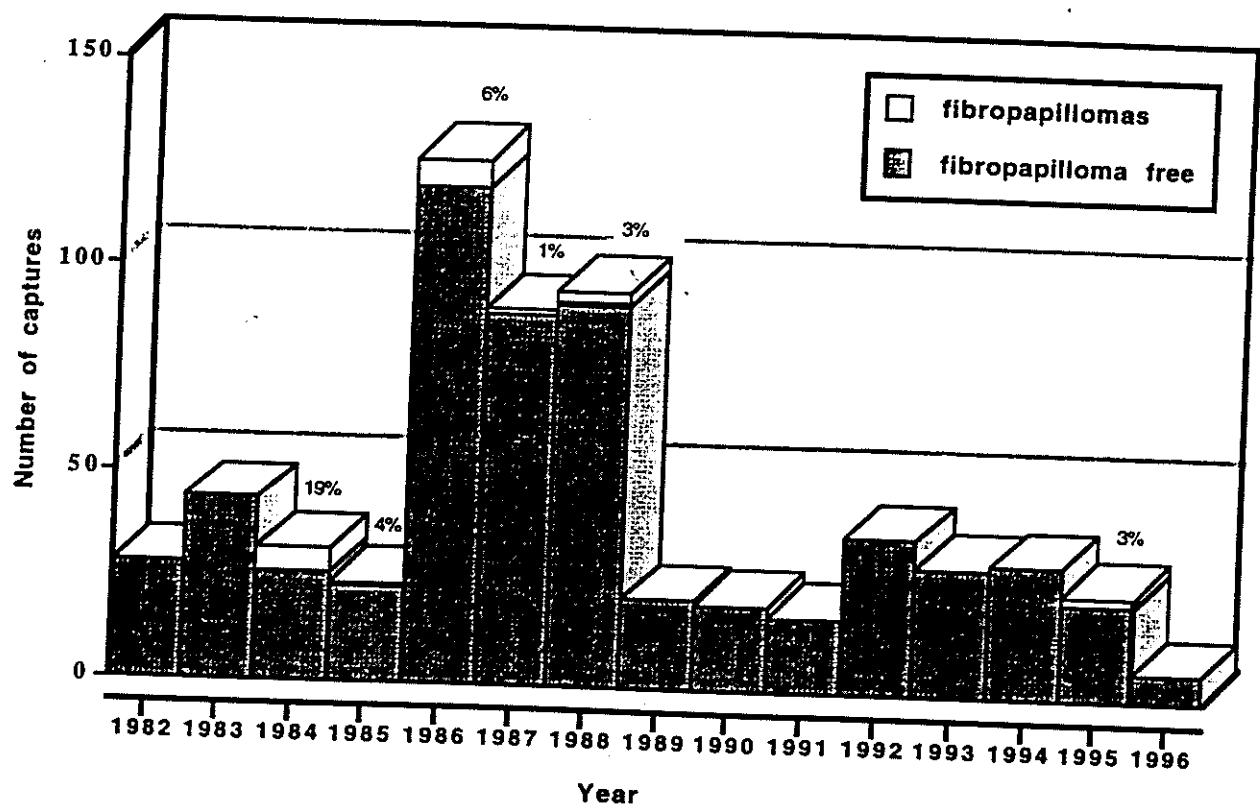
In 1982, population studies shifted to the central region of the IRL, ca. 120 km south, where green turtles with fibropapillomas were encountered almost immediately (Figure 13). The observed frequency remained close to 50% through 1985. In 1984 the first loggerhead with fibropapillomas was seen and that was the year with the highest prevalence in loggerheads to date (6/32 captures, or 19%; Figure 14). In January 1985 another cold stun episode affected 145 green turtles in Mosquito Lagoon; of these, 29% exhibited GTFP, the first ever seen in green turtles from the "northern region".

The frequency of GTFP in the green turtle population of the "central region" varied from 34-65% between 1986 and 1990 (Figure 13) and morphometric data revealed that individuals of intermediate size (10-30kg) were more likely to be afflicted. About 64% of non-afflicted turtles weighed <10 kg and only 20% with GTFP were in the <10 kg weight class. During the period from 1991 through 1996 however, 66% of all lagoon captures weighed <10 kg, and 72% of all GTFP turtles were <10 kg, suggesting that they may be contracting the disease earlier than previously thought, after entering the lagoon system. The prevalence of GTFP appears to fluctuate randomly or as a result of some as yet unidentified variable. In 1990, the most recent cold stun event provided another 248 green turtles from Mosquito Lagoon. Only four of the turtles showed any evidence of fibropapillomas; i.e., the prevalence of the disease returned to near zero.

The severity of GTFP affliction varies greatly. Some turtles develop growths between the time of capture and subsequent recaptures; some turtles have tumors that appear to be regressing. Of the turtles that we recapture, some develop GTFP quickly;



**Figure 13.** Prevalence of GTPP in juvenile green turtles in the Indian River Lagoon system, shown as a percentage of total captures by year.



**Figure 14.** Prevalence of fibropapillomas in subadult loggerheads in the Indian River Lagoon system, Florida, shown as a percentage of total captures.

others over long periods of time. Two examples of this include a small green turtle that was captured June 16, 1987 and had no growths, but was documented to have "leeches on both sides of the anal scutes, on soft skin". This turtle was recaptured one month later almost to the day and exhibited many growths--in the same areas where the leeches had been documented just one month earlier. The role of leeches in the etiology of the disease remains unknown, but we often find them in association with GTFP. At the opposite end of the spectrum is a subadult loggerhead with severe trauma to the posterior of the carapace and rear flippers. When first captured in August 1992 it had no tumors. At subsequent recaptures in 1992, 1993, and 1994 there was no evidence of fibropapillomas. When recaptured in August 1995, however, this turtle was covered with many actively growing tumors. The one other loggerhead captured with fibropapillomas in 1995 also had a severe injury; its left front flipper had been amputated by a monofilament ligature around the shaft of the humerus.

Every green turtle captured on the nearshore reef is examined for the presence of GTFP. In a sample of more than 200 juvenile green turtles spanning seven summers of work on the reef, not a single case of GTFP was observed. Other "oceanic" populations of green turtles, such as those in the leeward Hawaiians and at Bermuda, are also free of the disease. On the other hand, the disease is prevalent in 25-90% of individuals in degraded bays, lagoons and other estuarine habitats such as those in the Indian River Lagoon, Florida Bay/Keys, and the windward Hawaiians. It now appears that two kinds of viruses are involved in the etiology of this complex disease (G. Balazs, pers. com.) but the ecological evidence also points to environmental co-factors. We have continued to collaborate with Drs. Herbst and Klein at the BEECS lab in Gainesville, by providing serum, biopsies and live afflicted animals.

### **Ad Hoc Collaboration With NMFS Charleston Lab**

We were in a good position to collaborate and were pleased to provide blood smear slides, plasma samples and heparinized whole blood for this purpose. Tables 35 and 36 list the loggerheads and green turtles from which samples were obtained. The samples were shipped to SmithKline Beecham Clinical Laboratories in Leesburg, Florida for the clinical work-ups. To date we (and more importantly, the Charleston Lab) have received results from 88 samples from the Indian River Lagoon (13 subadult loggerheads, 1 adult female loggerhead and 74 juvenile green turtles) and 35 samples from another study site, the Trident Submarine Basin (34 juvenile green turtles and 1 adult male loggerhead). NMFS Charleston Lab has since asked for a hiatus in the collection of samples to allow them time to analyze those collected thus far.

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Table 1. Summary of netting effort in the Indian River Lagoon, Indian River County, Florida, during summer, 1995.

| DATE      | TAG NUMBERS |        | EFFORT<br>(in Km-Hours) | SPECIES                          |
|-----------|-------------|--------|-------------------------|----------------------------------|
| 8-May-95  | BP3164      | X6001  | 1.51                    | <i>Caretta caretta</i>           |
|           | BP3259      | X6002  |                         | <i>Caretta caretta</i>           |
|           | BP3260      | X6003  |                         | <i>Chelonia mydas</i>            |
|           | BP3261      | X6004  |                         | <i>Chelonia mydas</i>            |
| 9-May-95  | *BP3262     | X6007  | 1.76                    | <i>Chelonia mydas</i>            |
| 11-May-95 | BP3263      | X6008  | 1.25                    | <i>Chelonia mydas</i>            |
|           | BP3264      | X6009  |                         | <i>Caretta caretta</i>           |
| 15-May-95 | *BP3265     | X6010  | 2.58                    | <i>Chelonia mydas</i>            |
|           | BP3266      | X6011  |                         | <i>Chelonia mydas</i>            |
| 16-May-95 | BBE233      | QQJ274 | 1.91                    | <i>Chelonia mydas</i>            |
|           | *BP3267     | X6006  |                         | <i>Chelonia mydas</i>            |
|           | BP3268      | X6012  |                         | <i>Chelonia mydas</i>            |
|           | BP3269      | X6013  |                         | <i>Chelonia mydas</i>            |
|           | BP3270      | X6014  |                         | <i>Chelonia mydas</i>            |
|           | N5493       | X6015  |                         | <i>Chelonia mydas</i>            |
| 22-May-95 | *BP3279     | X6018  | 1.23                    | <i>Chelonia mydas</i>            |
|           | BP3280      | X6019  |                         | <i>Chelonia mydas</i>            |
|           | BP3282      | X6020  |                         | <i>Chelonia mydas</i>            |
| 26-May-95 | *BP3283     | X6021  | 1.72                    | <i>Chelonia mydas</i>            |
| 30-May-95 | BP3284      | X6022  | 1.45                    | <i>Chelonia mydas</i>            |
| 5-Jun-95  | no captures |        | 0.30                    |                                  |
| 6-Jun-95  | BBE005      | QQJ020 | 2.26                    | <i>Caretta caretta</i>           |
|           | BP3288      | N5271  |                         | <i>Chelonia mydas</i>            |
|           | *BP3291     | X6024  |                         | <i>Chelonia mydas</i>            |
|           | BP3292      | X6025  |                         | adult male <i>Chelonia mydas</i> |
|           | *BP3293     | X6034  |                         | <i>Chelonia mydas</i>            |
|           | BP3300      | X6023  |                         | <i>Chelonia mydas</i>            |
| 8-Jun-95  | *BP3290     | X6035  | 1.45                    | <i>Chelonia mydas</i>            |
|           | BP3294      | X6036  |                         | <i>Chelonia mydas</i>            |

Table 1. continued

| DATE            | TAG NUMBERS |       | EFFORT<br>(in Km-Hours) | CAPTURES               |
|-----------------|-------------|-------|-------------------------|------------------------|
| 8-Jun-95 cont'd | BP3295      | X6037 |                         | <i>Chelonia mydas</i>  |
| 15-Jun-95       | *BP5508     | X6040 | 2.07                    | <i>Chelonia mydas</i>  |
|                 | *BP5513     | X6041 |                         | <i>Chelonia mydas</i>  |
| 20-Jun-95       | BP5522      | X6049 | 1.83                    |                        |
|                 | BP5523      | X6050 |                         | <i>Caretta caretta</i> |
|                 | BP5524      | X6058 |                         | <i>Caretta caretta</i> |
|                 | BP5525      | X6059 |                         | <i>Caretta caretta</i> |
|                 |             |       |                         | <i>Chelonia mydas</i>  |
| 26-Jun-95       | BP5531      | N5488 | 0.76                    | <i>Chelonia mydas</i>  |
| 30-Jun-95       | BP5550      | N6283 | 1.14                    |                        |
|                 | BP5551      | X6027 |                         | <i>Caretta caretta</i> |
| 6-Jul-95        | BP5551      | X6027 | 0.75                    |                        |
|                 | BP5552      | X6032 |                         | <i>Caretta caretta</i> |
|                 | BP5553      | X6033 |                         | <i>Caretta caretta</i> |
|                 |             |       |                         | <i>Chelonia mydas</i>  |
| 7-Jul-95        | BP5554      | X6060 | 1.02                    | <i>Chelonia mydas</i>  |
| 10-Jul-95       | no captures |       | 1.58                    |                        |
| 18-Jul-95       | BP5566      | X6082 | 0.28                    | <i>Chelonia mydas</i>  |
| 25-Jul-95       | BP5567      | X6083 | 0.64                    |                        |
|                 | BP5568      | X6084 |                         | <i>Caretta caretta</i> |
|                 | BP5569      | X6085 |                         | <i>Caretta caretta</i> |
|                 | BP5570      | X6086 |                         | <i>Caretta caretta</i> |
|                 |             |       |                         | <i>Chelonia mydas</i>  |
| 31-Jul-95       | BP5573      | X6089 | 2.81                    | <i>Chelonia mydas</i>  |
|                 | *BP5574     | X6088 |                         | <i>Chelonia mydas</i>  |
|                 | BP5575      | X6087 |                         | <i>Chelonia mydas</i>  |
| 4-Aug-95        | BP5571      | X6090 | 1.40                    | <i>Chelonia mydas</i>  |
|                 | BP5572      | X6091 |                         | <i>Chelonia mydas</i>  |
| 10-Aug-95       | no captures |       | 1.43                    |                        |
| 11-Aug-95       | *BP3163     | X4335 | 1.43                    | <i>Caretta caretta</i> |

Table 1. continued

| DATE   | TAG NUMBERS  |  | EFFORT<br>(in Km-Hours) | CAPTURES  |
|--|--------------|--|-------------------------|---|
| 11-Aug-95 cont'd   | BP5576 X6068 |  |                         | <i>Chelonia mydas</i>                                 |
| 15-Aug-95  | *BP5583      | X6093                                    | 1.46                    | <i>Chelonia mydas</i>                                 |
|  | BP5585       | X6094                                    |                         | <i>Chelonia mydas</i>                                 |
| 11-Sep-95  | *BP5586      | X6095                                    | 2.76                    | <i>Chelonia mydas</i>                                 |
|  | *BP5587      | X6096                                    |                         | <i>Chelonia mydas</i>                                 |
| * papillomas present<br>in C. mydas (14/43) = 33%<br>in C. caretta (1/15) = 7% |              | Effort in km-hrs:<br>Number of captures: | 38.78                   | 43 <i>Chelonia mydas</i><br>15 <i>Caretta caretta</i> |

Table 2. Summary of netting effort in the Indian River Lagoon, Indian River County, Florida, during fall, 1995.

| DATE      | TAG NUMBERS |        | EFFORT<br>(in Km-Hours) | SPECIES                             |
|-----------|-------------|--------|-------------------------|-------------------------------------|
| 21-Sep-95 | BP5550      | N6283  | 3.82                    | <i>Caretta caretta</i>              |
|           | BP5588      | X6097  |                         | <i>Caretta caretta</i>              |
|           | BP5589      | X6098  |                         | <i>Caretta caretta</i>              |
|           | *BP5590     | n/a    |                         | <i>Caretta caretta</i>              |
| 22-Sep-95 | BP5552      | X6032  | 2.92                    | <i>Caretta caretta</i>              |
|           | *BP5591     | X6099  |                         | <i>Chelonia mydas</i>               |
|           | BP5592      | X6100  |                         | <i>Caretta caretta</i>              |
|           | BP5594      | X6128  |                         | <i>Caretta caretta</i>              |
|           | X6126       | X6127  |                         | adult female <i>Caretta caretta</i> |
| 21-Nov-95 | *BBE181     | QQJ214 | 2.97                    | <i>Chelonia mydas</i>               |
|           | *BP5599     | X6107  |                         | <i>Chelonia mydas</i>               |
|           | *BP5600     | X6108  |                         | <i>Chelonia mydas</i>               |
|           | BP5601      | X6110  |                         | <i>Caretta caretta</i>              |
|           | *BP5602     | X6111  |                         | <i>Chelonia mydas</i>               |
|           | *BP5603     | X6039  |                         | <i>Chelonia mydas</i>               |
|           | *BP5604     | X6113  |                         | <i>Chelonia mydas</i>               |
|           | *BP5605     | X6114  |                         | <i>Chelonia mydas</i>               |
|           | *BP5508     | X6040  | 2.87                    | <i>Chelonia mydas</i>               |
| 5-Dec-95  | BP5606      | X6115  |                         | <i>Chelonia mydas</i>               |
|           | *BP5607     | X6116  |                         | <i>Chelonia mydas</i>               |
|           | *BP5608     | X6117  |                         | <i>Chelonia mydas</i>               |
|           | *BP5609     | X6118  |                         | <i>Chelonia mydas</i>               |
|           | BP5610      | X6119  |                         | <i>Caretta caretta</i>              |
|           | *BP5611     | X6120  |                         | <i>Chelonia mydas</i>               |
|           | BP3295      | X6037  | 2.60                    | <i>Chelonia mydas</i>               |
| 15-Dec-95 | BP5617      | X6121  |                         | <i>Chelonia mydas</i>               |
|           | BP5618      | X6122  |                         | <i>Chelonia mydas</i>               |
|           | BP5619      | X6123  |                         | <i>Chelonia mydas</i>               |
|           | *BP5620     | X6124  |                         | <i>Chelonia mydas</i>               |
|           | *BP5621     | X6139  |                         | <i>Chelonia mydas</i>               |
|           | BP5622      | X6125  |                         | <i>Chelonia mydas</i>               |
|           | BP5623      | X6140  |                         | <i>Chelonia mydas</i>               |

\* papillomas present  
in *C. mydas* (15/22) = 68%  
in *C. caretta* (1/10) = 10%

Effort in km-hrs: 15.18  
Number of captures: 22 *Chelonia mydas*  
10 *Caretta caretta*

Table 3. Summary of netting effort in the Indian River Lagoon, Indian River County, Florida, during winter, 1996

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES   |
|-----------|--|-------------------------|---|
| 15-Jan-96 | <ul style="list-style-type: none"> <li>* BP5624 X6141</li> <li>* BP5625 X6142</li> <li>* BP5626 X6145</li> <li>* BP5627 X6148</li> <li>BP5628 X6149</li> <li>BP5629 X6156</li> <li>BP5630 X6155</li> <li>BP5631 X6158</li> <li>* BP5633 X6157</li> <li>BP5634 X6144</li> <li>* BP5635 X6147</li> <li>BP5636 X6146</li> <li>* BP5637 X6143</li> </ul>   | 2.99                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 30-Jan-96 | <ul style="list-style-type: none"> <li>BP5632 X6177</li> <li>BP5638 X6178</li> <li>BP5639 X6179</li> <li>BP5640 X6180</li> <li>* BP5641 X6181</li> <li>* BP5642 X6168</li> <li>* BP5643 X6172</li> <li>* BP5644 X6174</li> <li>* BP5645 X6175</li> <li>BP5646 X6159</li> <li>* BP5647 X6160</li> <li>* BP5648 X6162</li> <li>BP5649 X6166</li> <li>* BP5650 X6163</li> <li>* BP5651 X6170</li> <li>* BP5652 X6173</li> <li>* BP5653 X6176</li> <li>* BP5654 X6167</li> <li>BP5655 X6171</li> <li>* BP5656 X6169</li> <li>* BP5657 X6165</li> <li>* BP5658 X6164</li> <li>* BP5659 X6183</li> <li>* BP5660 X6182</li> <li>BP5661 X6184</li> </ul> | 1.36                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i> |

Table 3. continued

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES   |
|-----------|--|-------------------------|---|
| 30-Jan-96 | BP5662 X6186<br>BP5663 X6185<br>BP5664 X6188<br>• BP5665 X6190<br>• BP5666 X6189<br>• BP5667 X6187<br>BP5668 X6171   |                         | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>  |
| 22-Feb-96 | • BP5554 X6195<br>BP5661 X6184<br>• BP5669 X6193<br>BP5670 X6194<br>BP5671 X6196<br>• BP5672 N6353<br>• BP5673 N6354<br>• BP5675 X6192<br>BP5676 N6373<br>• BP5677 N6355<br>• BP5678 N6356<br>• BP5679 N6357<br>BP5680 N6359<br>• BP5681 N6358<br>BP5682 N6368<br>BP5683 N6360<br>• BP5684 N6362<br>BP5685 N6363<br>BP5686 N6366<br>• BP5687 N6367<br>BP5688 N6369<br>• BP5689 N6370<br>• BP5690 N6371<br>• BP5691 N6372<br>BP5692 X6199<br>• BP5693 N6375<br>• BP5694 X6197<br>• BP5695 X6198<br>• BP5696 N6401<br>BP5697 X6200<br>• BP5698 N6402<br>BP5699 N6403 | 1.94                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i> |

Table 3. continued

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES   |
|-----------|--|-------------------------|---|
| 22-Feb-96 | * BP5700 N6404<br>* N6406 N6410<br>* N6407 N6412<br>* N6408 N6411<br>N6405 N6409   |                         | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 13-Mar-96 | * BP4501 X4701<br>BP4502 X4702<br>* BP4508 X4703<br>BP4512 X4726<br>* BP4527 X4727<br>* BP4528 X4728<br>* BP5644 X6174<br>BP4506 X4729<br>* BP4505 X4705<br>* BP4504 X4706<br>BP4507 X4707<br>BP4530 X4730<br>BP4510 X4708<br>BP4531 X4731<br>BP4509 X4709<br>* BP4526 X4710<br>BP4511 X4711 | 3.24                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i> |
| 14-Mar-96 | BP4533 X4732<br>BP4534 X4733<br>* BP4513 X4712<br>* BP4514 X4713<br>BP4515 X4714<br>BP5664 X6188<br>* BP4517 X4716<br>* BP4541 X4741<br>BP4516 X4715<br>* BP4518 X4717<br>* BP4519 X4718<br>BP4520 X4719<br>* BP4521 X4720<br>BP4532 X4721<br>BP4523 X4722                                   | 3.19                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |

Table 3, continued

**Table 3.** continued

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES               |
|-----------|--------------|-------------------------|-----------------------|
| 15-Mar-96 | BP4563 X4763 |                         | <i>Chelonia mydas</i> |
|           | BP4564 X4764 |                         | <i>Chelonia mydas</i> |
|           | BP4503 X4704 |                         | <i>Chelonia mydas</i> |

Table 4. Summary of netting effort in the Indian River Lagoon, Indian River County, Florida, during spring (through May), 1996.

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES   |
|-----------|--|-------------------------|---|
| 29-Apr-96 | * BP4541 X4741<br>BP4565 X4788<br>* BP4582 X4782<br>* BP4583 X4783<br>* BP4584 X4784<br>BP4585 X4785<br>BP4586 X4786<br>* BP4587 X4787<br>* BP5599 X6107   | 2.67                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 13-May-96 | * BP4508 X4703<br>* BP4566 X4766<br>* BP4567 X4767<br>* BP4568 X4797<br>BP4569 X4769<br>* BP4570 X4770<br>* BP4571 X4771<br>BP4572 X4772<br>* BP4573 X4773<br>BP4574 X4774<br>BP4575 X4775<br>* BP4589 X4793<br>BP4590 X4790<br>* BP4591 X4791<br>BP4592 X4792<br>BP4593 X4789<br>* BP4594 X4794<br>BP4595 X4795<br>BP4596 X4796<br>* BP4597 X4768<br>* BP4598 X4798<br>* BP4599 X4799<br>BP4600 X4800 | 1.80                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i> |
| 15-May-96 | BP6601 X4801<br>* BP6602 X4802<br>BP6603 X4805<br>BP6604 X4804   | 1.07                    | <i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i>  |

Table 4. continued

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES  |
|-----------|--|-------------------------|--|
| 15-May-96 | * BP6605 X4803<br>* BP6606 X4806<br>BP6607 X4807<br>BP6608 X4808   |                         | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 17-May-96 | BP3295 X6037<br>* BP4588 X4809<br>BP6610 X4810<br>* BP6611 X4811<br>* BP6612 X4812<br>BP6613 X4813<br>* BP6614 X4814                                 | 1.22                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 20-May-96 | * BP3213 X4817<br>* BP4528 X4728<br>BP5618 X6122<br>BP6610 X4810<br>* BP6615 X4815<br>BP6616 X4816<br>BP6618 X4818<br>* BP6619 X4819<br>BP6620 X4820 | 1.00                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i> |
| 24-May-96 | BP5632 X6177<br>BP6617 X6001<br>* BP6621 X4821<br>BP6622 X4822<br>BP6623 X4823   | 1.48                    | <i>Chelonia mydas</i><br><i>Caretta caretta</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i>   |
| 28-May-96 | * BP3300 X4765<br>* BP4583 X4783<br>BP6644 X4844<br>* BP6645 X4845<br>* BP6646 X4846<br>BP6647 X4847<br>* BP6648 X4848<br>BP6649                     | 1.06                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i>                          |

Table 4. continued

| DATE      | TAG NUMBERS  | EFFORT<br>(in Km-Hours) | SPECIES  |
|-----------|--|-------------------------|--|
| 28-May-96 | BP6650 X4850   |                         | <i>Chelonia mydas</i>  |
| 31-May-96 | * BP6609 X4849<br>* BP6624 X4824<br>* BP6625 X4825<br>* BP6642 X4842<br>BP6643 X4843 | 0.81                    | <i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Chelonia mydas</i><br><i>Caretta caretta</i> |

\*papillomas present  
 in C. mydas (40/67)= 59.7%  
 in C. caretta 0%

|                     |                          |
|---------------------|--------------------------|
| Effort in km-hrs:   | 11.11                    |
| Number of captures: | 67 <i>Chelonia mydas</i> |
|                     | 8 <i>Caretta caretta</i> |

Table 5. CPUE data for loggerheads and green turtles net-caught in the Indian River Lagoon, Indian River County, Florida, during summer, 1995.

| Date      | Hours | Length of Net<br>In Kilometers | Loggerhead<br>Captures | Green Turtle<br>Captures | Loggerhead<br>LogCPUE | Green Turtle<br>GrnCPUE | Total<br>TotCPUE |
|-----------|-------|--------------------------------|------------------------|--------------------------|-----------------------|-------------------------|------------------|
| 8-May-95  | 3.28  | 0.46                           | 2                      | 2                        | 1.32                  | 1.32                    | 2.65             |
| 9-May-95  | 3.82  | 0.46                           | 0                      | 1                        | 0.00                  | 0.57                    | 0.57             |
| 11-May-95 | 2.72  | 0.46                           | 1                      | 1                        | 0.80                  | 0.80                    | 1.60             |
| 15-May-95 | 5.62  | 0.46                           | 0                      | 2                        | 0.00                  | 0.77                    | 0.77             |
| 16-May-95 | 4.15  | 0.46                           | 0                      | 6                        | 0.00                  | 3.14                    | 3.14             |
| 22-May-95 | 2.67  | 0.46                           | 0                      | 3                        | 0.00                  | 2.45                    | 2.45             |
| 26-May-95 | 3.73  | 0.46                           | 0                      | 1                        | 0.00                  | 0.58                    | 0.58             |
| 30-May-95 | 3.15  | 0.46                           | 0                      | 1                        | 0.00                  | 0.69                    | 0.69             |
| 5-Jun-95  | 0.63  | 0.46                           | 0                      | 0                        | 0.00                  | 0.00                    | 0.00             |
| 6-Jun-95  | 4.92  | 0.46                           | 1                      | 5                        | 0.44                  | 2.21                    | 2.65             |
| 8-Jun-95  | 3.15  | 0.46                           | 0                      | 3                        | 0.00                  | 2.07                    | 2.07             |
| 15-Jun-95 | 4.50  | 0.46                           | 0                      | 2                        | 0.00                  | 0.97                    | 0.97             |
| 20-Jun-95 | 3.98  | 0.46                           | 3                      | 1                        | 1.64                  | 0.55                    | 2.18             |
| 26-Jun-95 | 1.65  | 0.46                           | 0                      | 1                        | 0.00                  | 1.32                    | 1.32             |
| 30-Jun-95 | 2.48  | 0.46                           | 2                      | 0                        | 1.75                  | 0.00                    | 1.75             |
| 6-Jul-95  | 1.63  | 0.46                           | 2                      | 1                        | 2.66                  | 1.33                    | 3.99             |
| 7-Jul-95  | 2.22  | 0.46                           | 0                      | 1                        | 0.00                  | 0.98                    | 0.98             |
| 10-Jul-95 | 3.42  | 0.46                           | 0                      | 0                        | 0.00                  | 0.00                    | 0.00             |
| 18-Jul-95 | 0.62  | 0.46                           | 0                      | 1                        | 0.00                  | 3.53                    | 3.53             |
| 25-Jul-95 | 1.38  | 0.46                           | 3                      | 1                        | 4.71                  | 1.57                    | 6.29             |
| 31-Jul-95 | 6.12  | 0.46                           | 0                      | 3                        | 0.00                  | 1.07                    | 1.07             |
| 4-Aug-95  | 3.05  | 0.46                           | 0                      | 2                        | 0.00                  | 1.43                    | 1.43             |
| 10-Aug-95 | 3.12  | 0.46                           | 0                      | 0                        | 0.00                  | 0.00                    | 0.00             |
| 11-Aug-95 | 3.12  | 0.46                           | 1                      | 1                        | 0.70                  | 0.70                    | 1.40             |
| 15-Aug-95 | 3.18  | 0.46                           | 0                      | 2                        | 0.00                  | 1.37                    | 1.37             |
| 11-Sep-95 | 6.00  | 0.46                           | 0                      | 2                        | 0.00                  | 0.72                    | 0.72             |

| Total<br>Net hours | Total<br>Km-hrs | Caretta<br>Captures | Chelonia<br>Captures | Caretta<br>CPUE | Chelonia<br>CPUE | Total<br>CPUE |
|--------------------|-----------------|---------------------|----------------------|-----------------|------------------|---------------|
| 84.30              | 38.78           | 15                  | 43                   | 0.54            | 1.16             | 1.70          |

Table 6. CPUE data for loggerheads and green turtles net-captured in the Indian River Lagoon, Indian River County, Florida, during fall, 1995.

| Date      | Hours | Length of Net<br>In Kilometers | Loggerhead<br>Captures | Green Turtle<br>Captures | Loggerhead<br>LogCPUE | Green Turtle<br>GmCPUE | Total<br>TotCPUE |
|-----------|-------|--------------------------------|------------------------|--------------------------|-----------------------|------------------------|------------------|
| 21-Sep-95 | 8.3   | 0.46                           | 4                      | 0                        | 1.05                  | 0.00                   | 1.05             |
| 22-Sep-95 | 6.35  | 0.46                           | 4                      | 1                        | 1.37                  | 0.34                   | 1.71             |
| 21-Nov-95 | 6.45  | 0.46                           | 1                      | 7                        | 0.34                  | 2.36                   | 2.70             |
| 5-Dec-95  | 6.25  | 0.46                           | 1                      | 6                        | 0.35                  | 2.09                   | 2.43             |
| 15-Dec-95 | 5.65  | 0.46                           | 0                      | 8                        | 0.00                  | 3.08                   | 3.08             |

| Total<br>Net hours | Total<br>Km-hrs | Caretta<br>Captures | Chelonia<br>Captures | Caretta<br>CPUE | Chelonia<br>CPUE | Total<br>CPUE |
|--------------------|-----------------|---------------------|----------------------|-----------------|------------------|---------------|
| 33.00              | 15.18           | 10                  | 22                   | 0.62            | 1.57             | 2.19          |

Table 7. Catch per unit effort in km-hrs for net-captured juvenile green and subadult loggerheads in the Indian River Lagoon, Indian River County, Florida, during winter 1996.

| Date      | Hours | Length of Net<br>In kilometers | Loggerhead<br>Captures | Green Turtle<br>Captures | Loggerhead<br>LogCPUE | Green Turtle<br>GrnCPUE | Total<br>TotCPUE |
|-----------|-------|--------------------------------|------------------------|--------------------------|-----------------------|-------------------------|------------------|
| 15-Jan-96 | 6.50  | 0.46                           | 0                      | 13                       | 0.00                  | 4.35                    | 4.35             |
| 30-Jan-96 | 1.50  | 0.46                           | 0                      | 22                       | 0.00                  | 31.88                   | 31.88            |
| 30-Jan-96 | 1.45  | 0.46                           | 0                      | 10                       | 0.00                  | 14.99                   | 14.99            |
| 22-Feb-96 | 1.50  | 0.46                           | 1                      | 24                       | 1.45                  | 34.78                   | 36.23            |
| 22-Feb-96 | 3.33  | 0.24                           | 1                      | 2                        | 1.25                  | 2.50                    | 3.75             |
| 22-Feb-96 | 2.17  | 0.26                           | 0                      | 9                        | 0.00                  | 15.98                   | 15.98            |
| 13-Mar-96 | 7.03  | 0.46                           | 3                      | 15                       | 0.93                  | 4.64                    | 5.56             |
| 14-Mar-96 | 6.93  | 0.46                           | 2                      | 27                       | 0.63                  | 8.47                    | 9.09             |
| 15-Mar-96 | 4.92  | 0.46                           | 0                      | 27                       | 0.00                  | 11.94                   | 11.94            |

| Total<br>Net hours | Total<br>Km-hrs | Caretta<br>Captures | Chelonia<br>Captures | Caretta<br>CPUE | Chelonia<br>CPUE | Total<br>CPUE |
|--------------------|-----------------|---------------------|----------------------|-----------------|------------------|---------------|
| 35.33              | 15.09           | 7                   | 149                  | 0.47            | 14.39            | 14.86         |

Table 8. Catch per unit effort in km-hrs for net-captured juvenile green and subadult loggerheads in the Indian River Lagoon, Indian River County, Florida, during spring 1996, through May.

| Date      | Hours | Length of Net<br>In kilometers | Loggerhead<br>Captures | Green Turtle<br>Captures | Loggerhead<br>LogCPUE | Green Turtle<br>GrnCPUE | Total<br>TotCPUE |
|-----------|-------|--------------------------------|------------------------|--------------------------|-----------------------|-------------------------|------------------|
| 29-Apr-96 | 5.80  | 0.46                           | 0                      | 9                        | 0.00                  | 3.37                    | 3.37             |
| 13-May-96 | 3.92  | 0.46                           | 1                      | 22                       | 0.56                  | 12.21                   | 12.77            |
| 15-May-96 | 2.33  | 0.46                           | 2                      | 6                        | 1.86                  | 5.59                    | 7.45             |
| 17-May-96 | 2.65  | 0.46                           | 1                      | 6                        | 0.82                  | 4.92                    | 5.74             |
| 20-May-96 | 2.18  | 0.46                           | 1                      | 8                        | 1.00                  | 7.97                    | 8.96             |
| 24-May-96 | 3.22  | 0.46                           | 1                      | 4                        | 0.68                  | 2.70                    | 3.38             |
| 28-May-96 | 2.30  | 0.46                           | 1                      | 8                        | 0.95                  | 7.56                    | 8.51             |
| 31-May-96 | 1.77  | 0.46                           | 1                      | 4                        | 1.23                  | 4.92                    | 6.15             |

| Total<br>Net hours | Total<br>Km-hrs | Caretta<br>Captures | Chelonia<br>Captures | Caretta<br>CPUE | Chelonia<br>CPUE | Total<br>CPUE |
|--------------------|-----------------|---------------------|----------------------|-----------------|------------------|---------------|
| 24.17              | 11.12           | 8                   | 67                   | 0.89            | 6.16             | 7.04          |

Table 9. CPUE data for loggerheads and green turtles net-captured over Sabellariid worm reefs in Indian River County, Florida, during summer, 1995.

| Date      | Hours | Length of Net<br>In Kilometers | Loggerhead<br>Captures | Green turtle<br>Captures | Loggerhead<br>LogCPUE | Green Turtle<br>GmCPUE | Total<br>TotCPUE |
|-----------|-------|--------------------------------|------------------------|--------------------------|-----------------------|------------------------|------------------|
| 9-Jun-95  | 1.45  | 0.22                           | 0                      | 1                        | 0.00                  | 3.13                   | 3.13             |
| 9-Jun-95  | 0.78  | 0.22                           | 0                      | 0                        | 0.00                  | 0.00                   | 0.00             |
| 12-Jun-95 | 0.82  | 0.22                           | 0                      | 0                        | 0.00                  | 0.00                   | 0.00             |
| 12-Jun-95 | 1.93  | 0.22                           | 0                      | 3                        | 0.00                  | 0.00                   | 0.00             |
| 13-Jun-95 | 2.10  | 0.22                           | 0                      | 7                        | 0.00                  | 7.05                   | 7.05             |
| 13-Jun-95 | 0.53  | 0.22                           | 0                      | 0                        | 0.00                  | 15.15                  | 15.15            |
| 26-Jun-95 | 1.53  | 0.22                           | 0                      | 4                        | 0.00                  | 0.00                   | 0.00             |
| 27-Jun-95 | 2.00  | 0.22                           | 1                      | 3                        | 2.27                  | 11.86                  | 11.86            |
| 27-Jun-95 | 0.70  | 0.22                           | 0                      | 5                        | 0.00                  | 6.82                   | 9.09             |
| 29-Jun-95 | 0.82  | 0.22                           | 0                      | 0                        | 0.00                  | 32.47                  | 32.47            |
| 29-Jun-95 | 0.92  | 0.22                           | 0                      | 9                        | 0.00                  | 0.00                   | 0.00             |
| 10-Jul-95 | 1.65  | 0.22                           | 0                      | 2                        | 0.00                  | 44.63                  | 44.63            |
| 11-Jul-95 | 1.35  | 0.22                           | 0                      | 3                        | 0.00                  | 5.51                   | 5.51             |
| 21-Jul-95 | 1.00  | 0.22                           | 0                      | 0                        | 0.00                  | 10.10                  | 10.10            |
| 21-Jul-95 | 1.02  | 0.22                           | 0                      | 0                        | 0.00                  | 0.00                   | 0.00             |
| 24-Jul-95 | 1.22  | 0.22                           | 0                      | 0                        | 0.00                  | 0.00                   | 0.00             |

| Total<br>Net hours | Total<br>Km-hrs | Caretta<br>Captures | Chelonia<br>Captures | Caretta<br>CPUE | Chelonia<br>CPUE | Total<br>CPUE |
|--------------------|-----------------|---------------------|----------------------|-----------------|------------------|---------------|
| 19.82              | 4.36            | 1                   | 37                   | 0.14            | 8.55             | 8.69          |

Table 10. Summary of netting effort over Sabellariid worm reefs in Indian River County, Florida, in 1995.

| DATE      | TAG NUMBERS | LOCATION | EFFORT<br>(in Km-Hours) | SPECIES               |
|-----------|-------------|----------|-------------------------|-----------------------|
| 9-Jun-95  | BP3296      | N5250    | 3                       | 0.32                  |
| 9-Jun-95  | no captures |          | 2                       | 0.17                  |
| 12-Jun-95 | no captures |          | 1                       | 0.18                  |
| 12-Jun-95 | BP3297      | N5477    | 3                       | 0.43                  |
|           | BP3298      | N5401    | 3                       | <i>Chelonia mydas</i> |
|           | BP3299      | N5402    | 3                       | <i>Chelonia mydas</i> |
| 13-Jun-95 | BP5504      | X6038    | 2                       | 0.46                  |
|           | BP5507      | N5478    | 2                       | <i>Chelonia mydas</i> |
|           | BP5505      | N5479    | 2                       | <i>Chelonia mydas</i> |
|           | BP5503      | N5480    | 2                       | <i>Chelonia mydas</i> |
|           | BP5502      | N5481    | 2                       | <i>Chelonia mydas</i> |
|           | BP5501      | N5482    | 2                       | <i>Chelonia mydas</i> |
| 13-Jun-95 | BP5506      | N5483    | 3                       | 0.12                  |
| 26-Jun-95 | BP5527      | N5484    | 2                       | 0.34                  |
|           | BP5528      | N5487    | 2                       | <i>Chelonia mydas</i> |
|           | BP5529      | N5485    | 2                       | <i>Chelonia mydas</i> |
|           | BP5530      | N5486    | 2                       | <i>Chelonia mydas</i> |
| 27-Jun-95 | BP5532      | N5490    | 2                       | 0.44                  |
|           | BP5533      | N5491    | 2                       | <i>Chelonia mydas</i> |
|           | BP5534      | N5489    | 2                       | <i>Chelonia mydas</i> |
|           | n/a         | N5492    | 2                       |                       |
| 27-Jun-95 | BP5535      | N5494    | 3                       | 0.15                  |
|           | BP5537      | N5495    | 3                       | <i>Chelonia mydas</i> |
|           | BP5538      | N5496    | 3                       | <i>Chelonia mydas</i> |
|           | BP5539      | N5497    | 3                       | <i>Chelonia mydas</i> |
|           | BP5540      | N5498    | 3                       | <i>Chelonia mydas</i> |
| 9-Jun-95  | no captures |          | 2                       | 0.18                  |
| 9-Jun-95  | BP5541      | N5499    | 3                       | 0.20                  |
|           | BP5542      | N5500    | 3                       | <i>Chelonia mydas</i> |
|           | BP5543      | N6276    | 3                       | <i>Chelonia mydas</i> |
|           | BP5544      | N6279    | 3                       | <i>Chelonia mydas</i> |
|           | BP5545      | N6278    | 3                       | <i>Chelonia mydas</i> |
|           | BP5546      | N6280    | 3                       | <i>Chelonia mydas</i> |
|           | BP5547      | N6277    | 3                       | <i>Chelonia mydas</i> |
|           | BP5548      | N6281    | 3                       | <i>Chelonia mydas</i> |
|           | BP5549      | N6282    | 3                       | <i>Chelonia mydas</i> |

Table 10 continued

| DATE      | TAG NUMBERS |       | LOCATION | EFFORT<br>(in Km-Hours) | CAPTURES              |
|-----------|-------------|-------|----------|-------------------------|-----------------------|
| 10-Jul-95 | BP5555      | N6284 | 2        | 0.36                    | <i>Chelonia mydas</i> |
|           | BP5556      | N6285 | 2        |                         | <i>Chelonia mydas</i> |
| 11-Jul-95 | BP5557      | N6288 | 2        | 0.30                    | <i>Chelonia mydas</i> |
|           | BP5558      | N6286 | 2        |                         | <i>Chelonia mydas</i> |
|           | BP5559      | N6287 | 2        |                         | <i>Chelonia mydas</i> |
| 21-Jul-95 | no captures |       | 2        | 0.22                    |                       |
| 21-Jul-95 | no captures |       | 3        | 0.22                    |                       |
| 24-Jul-95 | no captures |       | 3        | 0.27                    |                       |

\*papillomas present 0%

Effort in km-hrs: 4.36  
 Number of captures: 37 *Chelonia mydas*  
 1 *Caretta caretta*

Location 1: off McLarty Museum, 3.2 km south of Sebastian Inlet.

Location 2: off Ambersand Beach, approximately 4.8 km south of Sebastian Inlet.

Locaton 3: 5.3 km south of Sebastian Inlet.

Table 11. Blood samples for various analyses as indicated below, collected from net-captured marine turtles in the Indian River Lagoon, Indian River County, Florida, 1992 through 1996.

| Tag Numbers   | Date     | Species                | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|---------------|----------|------------------------|------|--------------|-----------------------|-----------------------------|
| BBA759 X1542  | 5/13/92  | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BBA761 X2285  | 5/13/92  | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BBA765 X2288  | 5/15/92  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BBA766 X2289  | 5/15/92  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BBA761        | 11/13/92 | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP2542 X4340  | 11/13/92 | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP2545 X4343  | 11/13/92 | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP529 X4352   | 11/13/92 | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP2551 X4350  | 11/24/92 | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP2593 N2037  | 6/22/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2606 N2043  | 6/25/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2607 N2044  | 6/25/93  | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP2651 N2341  | 7/14/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2600 N2342  | 7/15/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2669 N2385  | 7/30/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2670 N2386  | 7/30/93  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2672 N2388  | 8/3/93   | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP2677 X317   | 8/10/93  | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP2685 X4469  | 8/10/93  | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP3117 N3048  | 12/21/93 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP3167 N3192  | 6/2/94   | <i>Chelonia mydas</i>  | no   | -            | -                     | 1                           |
| BP3180 N4504  | 7/5/94   | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP3183 N4505  | 7/5/94   | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP3196 N5202  | 7/22/94  | <i>Chelonia mydas</i>  | no   | -            | 1                     | -                           |
| BP3206 N5206  | 7/25/94  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| N5219         | 8/16/94  | <i>Chelonia mydas</i>  | y    | -            | 1                     | -                           |
| BP3208 N5239  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3210 N5220  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3212 N5222  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3213 N5223  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3214 N5224  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3215 N5225  | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| N5221         | 11/25/94 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BBE005 QQJ020 | 6/6/95   | <i>Caretta caretta</i> | y    | -            | 1                     | 1                           |
| BBE181 QQJ214 | 11/21/95 | <i>Chelonia mydas</i>  | no   | 1            | 2                     | 1                           |
| BP3163 X4335  | 8/11/95  | <i>Caretta caretta</i> | y    | 1            | 1                     | 1                           |
| BP3164 X6001  | 5/8/95   | <i>Caretta caretta</i> | y    | 1            | 1                     | 1                           |
| BP3259 X6002  | 5/8/95   | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP3260 X6003  | 5/8/95   | <i>Chelonia mydas</i>  | no   | 1            | -                     | -                           |
| BP3261 X6004  | 5/8/95   | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3262 X6007  | 5/9/95   | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3263 X6008  | 5/11/95  | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3264 X6009  | 5/11/95  | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP3265 X6010  | 5/15/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP3267 X6006  | 5/16/95  | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3268 X6012  | 5/16/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3269 X6013  | 5/16/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |

Table 11. continued

| Tag Numbers  | Date     | Species                | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|----------|------------------------|------|--------------|-----------------------|-----------------------------|
| BP3270 X6014 | 5/16/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3279 X6018 | 5/22/95  | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3280 X6019 | 5/22/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3282 X6020 | 5/22/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3283 X6021 | 5/26/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3284 X6022 | 5/30/95  | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3288 N5271 | 6/6/95   | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3290 X6035 | 6/8/95   | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP3291 X6024 | 6/6/95   | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3292 X6025 | 6/6/95   | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3293 X6034 | 6/6/95   | <i>Chelonia mydas</i>  | no   | 1            | 2                     | -                           |
| BP3294 X6036 | 6/8/95   | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP3295 X6037 | 12/15/95 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP3295 X6037 | 6/8/95   | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5508 X6040 | 12/5/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP5508 X6040 | 6/15/95  | <i>Chelonia mydas</i>  | y    | 1            | 2                     | -                           |
| BP5513 X6041 | 6/15/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5522 X6049 | 6/20/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5523 X6050 | 6/20/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5524 X6058 | 6/20/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5525 X6059 | 6/20/95  | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP5531 N5488 | 6/26/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5550 N6283 | 9/21/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5550 N6283 | 6/30/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | -                           |
| BP5552 X6032 | 9/22/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5553 X6033 | 7/6/95   | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5554 X6060 | 7/7/95   | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5567 X6083 | 7/25/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5568 X6084 | 7/25/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5569 X6085 | 7/25/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5570 X6086 | 7/25/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5571 X6090 | 8/4/95   | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5572 X6091 | 8/4/95   | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5573 X6089 | 7/31/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5574 X6088 | 7/31/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5575 X6087 | 7/31/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5576 X6068 | 8/11/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5583 X6093 | 8/15/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5585 X6094 | 8/15/95  | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5586 X6095 | 9/11/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5587 X6096 | 9/11/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5588 X6097 | 9/21/95  | <i>Caretta caretta</i> | y    | 1            | 1                     | 1                           |
| BP5589 X6098 | 9/21/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5590 n/a   | 9/21/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5591 X6099 | 9/22/95  | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5592 X6100 | 9/22/95  | <i>Caretta caretta</i> | y    | 1            | 1                     | 1                           |
| BP5594 X6128 | 9/22/95  | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP5599 X6107 | 11/21/95 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5600 X6108 | 11/21/95 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |

Table 11. continued

| Tag Numbers  | Date     | Species                        | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|----------|--------------------------------|------|--------------|-----------------------|-----------------------------|
| BP5601 X6110 | 11/21/95 | <i>Caretta caretta</i>         | no   | 1            | 1                     | 1                           |
| BP5602 X6111 | 11/21/95 | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5603 X6039 | 11/21/95 | <i>Chelonia mydas</i>          | y    | 1            | 2                     | 1                           |
| BP5604 X6113 | 11/21/95 | <i>Chelonia mydas</i>          | y    | 1            | 2                     | 1                           |
| BP5605 X6114 | 11/21/95 | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5606 X6115 | 12/5/95  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5607 X6116 | 12/5/95  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5608 X6117 | 12/5/95  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5609 X6118 | 12/5/95  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5610 X6119 | 12/5/95  | <i>Caretta caretta</i>         | no   | 1            | 1                     | 1                           |
| BP5611 X6120 | 12/5/95  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5617 X6121 | 12/15/95 | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5618 X6122 | 12/15/95 | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5619 X6123 | 12/15/95 | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5620 X6124 | 12/15/95 | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5621 X6139 | 12/15/95 | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5622 X6125 | 12/15/95 | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5623 X6140 | 12/15/95 | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| X6126 X6127  | 9/22/95  | Adult female <i>C. caretta</i> | no   | 1            | 1                     | 1                           |
| BP5624 X6141 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 2                     | -                           |
| BP5625 X6142 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5626 X6145 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5627 X6148 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5628 X6149 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5629 X6156 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5630 X6155 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5631 X6158 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5633 X6157 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5634 X6144 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5635 X6147 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5636 X6146 | 1/15/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5637 X6143 | 1/15/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5632 X6177 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 2                     | 1                           |
| BP5638 X6178 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5639 X6179 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5640 X6180 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5641 X6181 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5642 X6168 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5643 X6172 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5644 X6174 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5645 X6175 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5646 X6159 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5647 X6160 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5648 X6162 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5649 X6166 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5650 X6163 | 1/30/96  | <i>Chelonia mydas</i>          | no   | 1            | 1                     | 1                           |
| BP5651 X6170 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |
| BP5652 X6173 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 2                     | 1                           |
| BP5653 X6176 | 1/30/96  | <i>Chelonia mydas</i>          | y    | 1            | 1                     | 1                           |

Table 11. continued

| Tag Numbers  | Date    | Species                | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|---------|------------------------|------|--------------|-----------------------|-----------------------------|
| BP5654 X6167 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 2                     | 1                           |
| BP5655 X6171 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5656 X6169 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5657 X6165 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 3                     | 1                           |
| BP5658 X6164 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 2                     | 1                           |
| BP5659 X6183 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5660 X6182 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5661 X6184 | 1/30/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP5663 X6185 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5664 X6188 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5665 X6190 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 2                     | 1                           |
| BP5666 X6189 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5667 X6187 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP5668 X6191 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP5676 N6373 | 2/22/96 | <i>Caretta caretta</i> | no   | 1            | 2                     | 1                           |
| BP5692 X6199 | 2/22/96 | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP4501 X4701 | 3/13/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4502 X4702 | 3/13/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4503 X4704 | 3/13/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4504 X4706 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 1            | 1                     | 1                           |
| BP4505 X4705 | 3/13/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4506 X4729 | 3/13/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4507 X4707 | 3/13/96 | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP4511 X4711 | 3/13/96 | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP4512 X4726 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 1            | 2                     | 1                           |
| BP4513 X4712 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP4514 X4713 | 3/14/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4515 X4714 | 3/14/96 | <i>Chelonia mydas</i>  | y    | -            | 3                     | 1                           |
| BP4516 X4715 | 3/14/96 | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP4517 X4716 | 3/14/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4518 X4717 | 3/14/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4520 X4719 | 3/14/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4523 X4722 | 3/14/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4525 X4724 | 3/14/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4526 X4710 | 3/13/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4527 X4727 | 3/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4530 X4730 | 3/13/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4531 X4731 | 3/13/96 | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP4533 X4732 | 3/14/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4534 X4733 | 3/14/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4535 X4734 | 3/14/96 | <i>Caretta caretta</i> | no   | -            | 1                     | 1                           |
| BP4538 X4736 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 1            | 1                     | 1                           |
| BP4541 X4741 | 4/29/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP4565 X4788 | 4/29/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4582 X4782 | 4/29/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4583 X4783 | 4/29/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4584 X4784 | 4/29/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP4585 X4785 | 4/29/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4586 X4786 | 4/29/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |

Table 11. continued

| Tag Numbers  | Date    | Species                | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|---------|------------------------|------|--------------|-----------------------|-----------------------------|
| BP4587 X4787 | 4/29/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP5599 X6107 | 4/29/96 | <i>Chelonia mydas</i>  | y    | -            | 3                     | 2                           |
| BP4566 X4766 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4567 X4767 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4568 X4797 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4569 X4769 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4570 X4770 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4571 X4771 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4572 X4772 | 5/13/96 | <i>Chelonia mydas</i>  | no   | 1            | 2                     | 1                           |
| BP4573 X4773 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 3                     | 1                           |
| BP4574 X4774 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 3                     | 1                           |
| BP4575 X4775 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4589 X4793 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 4                     | 1                           |
| BP4590 X4790 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4591 X4791 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4592 X4792 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 3                     | 1                           |
| BP4593 X4789 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4594 X4794 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4595 X4795 | 5/13/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4596 X4796 | 5/13/96 | <i>Caretta caretta</i> | no   | 1            | 2                     | 1                           |
| BP4598 X4798 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 5                     | 1                           |
| BP4599 X4799 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4600 X4800 | 5/13/96 | <i>Chelonia mydas</i>  | y    | -            | 3                     | 1                           |
| BP3295 X6037 | 5/17/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP4588 X4809 | 5/17/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6610 X4810 | 5/17/96 | <i>Caretta caretta</i> | no   | 1            | 1                     | 1                           |
| BP6611 X4811 | 5/17/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6612 X4812 | 5/17/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6613 X4813 | 5/17/96 | <i>Chelonia mydas</i>  | no   | 1            | 2                     | 1                           |
| BP6614 X4814 | 5/17/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP3213 X4817 | 5/20/96 | <i>Chelonia mydas</i>  | y    | -            | 1                     | 1                           |
| BP5618 X6122 | 5/20/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6615 X4815 | 5/20/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP6616 X4816 | 5/20/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6618 X4818 | 5/20/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP5632 X6177 | 5/24/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP6617 X6001 | 5/24/96 | <i>Caretta caretta</i> | no   | 1            | 2                     | 1                           |
| BP6621 X4821 | 5/24/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6622 X4822 | 5/24/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP3300 X4765 | 5/28/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP4583 X4783 | 5/28/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6644 X4844 | 5/28/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6645 X4845 | 5/28/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP6646 X4846 | 5/28/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6647 X4847 | 5/28/96 | <i>Chelonia mydas</i>  | no   | -            | 2                     | 1                           |
| BP6648 X4848 | 5/28/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |
| BP6649 n/a   | 5/28/96 | <i>Caretta caretta</i> | no   | 1            | 2                     | 1                           |
| BP6650 X4850 | 5/28/96 | <i>Chelonia mydas</i>  | no   | -            | 1                     | 1                           |
| BP6609 X4849 | 5/31/96 | <i>Chelonia mydas</i>  | y    | -            | 2                     | 1                           |

Table 11. continued

| Tag Numbers                 | Date    | Species               | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|-----------------------------|---------|-----------------------|------|--------------|-----------------------|-----------------------------|
| BP6624 X4824                | 5/31/96 | <i>Chelonia mydas</i> | y    | -            | 2                     | 1                           |
| BP6625 X4825                | 5/31/96 | <i>Chelonia mydas</i> | y    | -            | 2                     | 1                           |
| BP6642 X4842                | 5/31/96 | <i>Chelonia mydas</i> | y    | -            | 2                     | 1                           |
| Number of samples collected |         |                       |      |              | 121                   | 325                         |
|                             |         |                       |      |              |                       | 222                         |

Table 12. Blood samples for various analyses as indicated below, collected from juvenile green turtles net-captured over Sabellariid worm reefs in Indian River County, Florida, 1993 through 1995.

| Tag Numbers  | Date      | Species               | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|-----------|-----------------------|------|--------------|-----------------------|-----------------------------|
| BP2594 N2038 | 23-Jun-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2595 N2039 | 23-Jun-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2596 N2040 | 23-Jun-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2610 N2050 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2611 N2049 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2612 N2048 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2613 N2047 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2614 N2252 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2615 N2251 | 1-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2617 N2257 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2618 N2255 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2619 N2260 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2620 N2260 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2621 N2256 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2622 N2258 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2623 N2259 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2624 N2254 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 2                     | -                           |
| BP2625 N2261 | 2-Jul-93  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2653 N2344 | 20-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2654 N2345 | 20-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2655 N2346 | 20-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2656 N2347 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2657 N2376 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2658 N2378 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2659 N2377 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2660 N2350 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2661 N2349 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2662 N2379 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2663 N2348 | 23-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2664 N2380 | 27-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2665 N2381 | 27-Jul-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2658 N2378 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2684 N3178 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2685 N3164 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2686 N3168 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2687 N3165 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2688 N3167 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2689 N2399 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2690 N3161 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2691 N2400 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2692 N3162 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2693 N3176 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2694 N3166 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2695 N3177 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2696 N3163 | 13-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2697 N3174 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2698 N3172 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |

Table 12. continued

| Tag Numbers  | Date      | Species               | Paps | DNA Analysis | Immunological Studies | Testosterone Titer Analysis |
|--------------|-----------|-----------------------|------|--------------|-----------------------|-----------------------------|
| BP2699 N3170 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP2700 N3171 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3101 N3173 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3102 N3169 | 20-Aug-93 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3201 N4523 | 19-Jul-94 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3202 N4521 | 19-Jul-94 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3203 N4525 | 19-Jul-94 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3204 N4524 | 19-Jul-94 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3205 N4522 | 19-Jul-94 | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3207 N5208 | 2-Aug-94  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| N5216 N5217  | 9-Aug-94  | <i>Chelonia mydas</i> | no   | -            | 1                     | -                           |
| BP3296 N5250 | 9-Jun-95  | <i>Chelonia mydas</i> | no   | 1            | 1                     | -                           |
| BP3297 N5477 | 12-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP3298 N5401 | 12-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP3299 N5402 | 12-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5502 N5481 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5503 N5480 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5504 X6038 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5505 N5479 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5506 N5483 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5507 N5478 | 13-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5527 N5484 | 26-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5528 N5487 | 26-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5529 N5485 | 26-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5530 N5486 | 26-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5532 N5490 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5533 N5491 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5534 N5489 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5537 N5495 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5538 N5496 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5539 N5497 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5540 N5498 | 27-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5541 N5499 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5542 N5500 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 2                     | 1                           |
| BP5543 N6276 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5544 N6279 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5545 N6278 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5546 N6280 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5547 N6277 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5548 N6281 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5549 N6282 | 29-Jun-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5555 N6284 | 10-Jul-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5556 N6285 | 10-Jul-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5557 N6288 | 11-Jul-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5558 N6286 | 11-Jul-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |
| BP5559 N6287 | 11-Jul-95 | <i>Chelonia mydas</i> | no   | 1            | 1                     | 1                           |

Number of samples collected

35

95

35

Table 13. Morphometrics and weights of other species captured in the central region of the Indian River Lagoon System

Kemp's Ridley Turtles

| Tag Number |      | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| X180       | X181 | 5/24/88      | 38.0                   | 38.7                  | 35.1                     | 32.9                    | 35.1                  | 27.5            | 7.9        | 13.3       | 6.0    |
| X238       | X239 | 6/17/88      | 35.6                   | 35.2                  | 33.6                     | 30.9                    | 33.9                  | 26.5            | 7.4        | 12.9       | 5.0    |

Hawksbill

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP2592     | N2036 | 6/18/93      | 72.6                   | 63.0                  | 67.6                     | 50.3                    | 68.1                  | 51.9            | 9.0        | 24.3       | 46.0   |

Table 14. Morphometrics of initial capture juvenile green turtles from the central region of the Indian River Lagoon System. Summary statistics are at the end of the table.

| Tag Number | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| K1941      | 07/01/82     | 32.4                   | 27.4                  | 29.2                     | 22.5                    | 29.3                  | 26.8            | 3.9        | —          | 4.0    |
| K1943      | 07/01/82     | 43.6                   | 37.1                  | 38.5                     | 30.4                    | 39.1                  | 34.8            | 5.1        | —          | 9.6    |
| K1972      | 05/26/83     | 61.5                   | 54.0                  | 57.8                     | 46.0                    | 58.5                  | 48.2            | 8.5        | —          | 29.5   |
| K1973      | 05/26/83     | 44.6                   | 39.4                  | 42.3                     | 32.2                    | 42.7                  | 35.6            | 6.9        | —          | 10.4   |
| K1981      | 06/02/83     | 47.0                   | 39.5                  | 42.5                     | 34.5                    | 42.9                  | 38.5            | 5.7        | —          | 13.6   |
| K1988      | 06/09/83     | 66.4                   | 58.6                  | 62.0                     | 50.0                    | 62.2                  | 53.8            | 9.9        | —          | 36.4   |
| K1990      | 06/09/83     | —                      | —                     | 53.8                     | 41.0                    | 54.1                  | 43.7            | 8.4        | —          | 22.7   |
| K3704      | 07/07/83     | 45.0                   | 41.6                  | 42.2                     | 33.8                    | 42.2                  | 38.4            | 4.8        | —          | 10.9   |
| K3724      | 07/07/83     | 47.4                   | 43.1                  | 42.7                     | 33.9                    | 44.7                  | 38.9            | 5.9        | —          | 10.9   |
| K3712      | 07/13/83     | 39.6                   | 34.8                  | 36.3                     | 29.9                    | 36.3                  | 32.2            | 4.7        | —          | 6.8    |
| K3715      | 07/14/83     | 68.8                   | 62.2                  | 64.1                     | 51.7                    | 64.1                  | 56.5            | 7.8        | —          | 38.6   |
| K3703      | 07/14/83     | 59.9                   | 54.0                  | 53.8                     | 44.4                    | 55.8                  | 47.5            | 7.0        | —          | 24.2   |
| K3711      | 07/14/83     | 45.2                   | 40.0                  | 41.1                     | 33.8                    | 41.0                  | 37.2            | 5.8        | —          | 10.4   |
| K1995      | 07/29/83     | 47.8                   | 39.5                  | 45.2                     | 33.7                    | 45.4                  | 37.2            | 7.5        | —          | 13.6   |
| K1996      | 07/29/83     | 47.4                   | 39.7                  | 45.1                     | 34.4                    | 45.5                  | 38.0            | 7.0        | —          | 11.3   |
| K2000      | 08/05/83     | 56.2                   | 47.5                  | 52.5                     | 42.0                    | 53.0                  | 43.0            | 7.8        | —          | 18.1   |
| K3722      | 09/08/83     | 39.9                   | 35.0                  | 38.2                     | 29.8                    | 38.4                  | 32.3            | 6.0        | —          | 7.4    |
| K3723      | 09/08/83     | 42.8                   | 35.7                  | 40.1                     | 30.2                    | 40.5                  | 34.5            | 5.8        | —          | 8.9    |
| K3710      | 09/08/83     | 40.5                   | 35.3                  | 38.0                     | 30.0                    | 38.2                  | 32.7            | 6.0        | —          | 7.4    |
| K3720      | 09/08/83     | 38.2                   | 35.2                  | 35.2                     | 29.5                    | 36.0                  | 31.4            | 5.0        | —          | 6.9    |
| Not Tagged | 05/22/84     | 49.2                   | 42.4                  | 47.0                     | 36.5                    | 47.1                  | 39.3            | 7.1        | —          | 12.9   |
| K3731      | 05/24/84     | 44.1                   | 39.9                  | 40.7                     | 33.4                    | 41.7                  | 37.3            | 5.8        | —          | 9.4    |
| K3735      | 05/29/84     | 40.1                   | 34.8                  | 36.9                     | 29.5                    | 37.0                  | 32.9            | 5.3        | —          | 7.3    |
| K3740      | 05/31/84     | 46.3                   | 51.1                  | 36.5                     | 43.0                    | 48.1                  | 39.8            | 7.0        | —          | 14.5   |
| Not Tagged | 06/02/84     | 35.4                   | 30.3                  | 33.4                     | 27.2                    | 33.5                  | 27.8            | 5.9        | —          | 4.4    |
| K3744      | 06/07/84     | 39.6                   | 34.7                  | 36.0                     | 29.5                    | 36.6                  | 31.0            | 4.8        | —          | 6.1    |
| K3745      | 06/07/84     | 44.5                   | 39.8                  | 40.9                     | 32.2                    | 41.3                  | 37.0            | 5.0        | —          | 10.2   |
| K3746      | 06/08/84     | 50.5                   | 44.3                  | 46.7                     | 38.2                    | 46.9                  | 41.4            | 7.1        | —          | 14.6   |
| K3747      | 06/08/84     | 30.8                   | 25.2                  | 28.0                     | 21.8                    | 28.3                  | 24.8            | 4.6        | —          | 2.9    |

Table 14 continued

| Tag Number  | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|-------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| K3750       | 06/12/84     | 49.2                   | 43.0                  | 44.1                     | 34.7                    | 44.4                  | 41.5            | 5.9        | —          | 14.1   |
| K3752       | 06/13/84     | 46.0                   | 40.1                  | 42.0                     | 34.7                    | 43.0                  | 36.8            | 6.3        | —          | 11.1   |
| K3753       | 06/13/84     | 41.9                   | 34.9                  | 38.2                     | 30.2                    | 38.4                  | 33.7            | 5.4        | —          | 8.5    |
| K3754       | 06/13/84     | 62.6                   | 57.8                  | 56.8                     | 46.5                    | 58.2                  | 50.4            | 8.0        | —          | 31.8   |
| K3755       | 06/14/84     | 45.3                   | 39.4                  | 42.0                     | 32.2                    | 42.1                  | 36.2            | 5.6        | —          | 9.5    |
| K3758       | 06/21/84     | 41.7                   | 35.5                  | 37.4                     | 29.5                    | 37.4                  | 33.5            | 5.4        | —          | 8.1    |
| K3759       | 06/21/84     | 56.9                   | 48.8                  | 53.0                     | 52.9                    | 53.8                  | 46.9            | 7.5        | —          | 22.7   |
| K3761       | 06/21/84     | 40.0                   | 34.7                  | 36.3                     | 28.7                    | 36.5                  | 31.2            | 4.9        | —          | 6.8    |
| K3763       | 06/21/84     | 46.8                   | 41.3                  | 42.9                     | 34.4                    | 43.1                  | 38.0            | 5.5        | —          | 11.9   |
| K3764       | 06/21/84     | 47.2                   | 39.9                  | 43.6                     | 32.4                    | 44.0                  | 38.5            | 5.7        | —          | 13.4   |
| K3765       | 06/22/84     | 49.4                   | 46.0                  | 45.0                     | 35.8                    | 45.0                  | 39.5            | 5.7        | —          | 12.5   |
| K3768       | 06/27/84     | 51.4                   | 43.4                  | 46.7                     | 36.6                    | 46.7                  | 41.6            | 6.2        | —          | 15.9   |
| K3770       | 06/28/84     | 40.1                   | 33.3                  | 37.6                     | 28.8                    | 37.7                  | 32.7            | 6.2        | —          | 7.3    |
| K3779       | 07/19/84     | 54.3                   | 45.9                  | 50.6                     | 40.9                    | 51.3                  | 43.2            | 7.4        | —          | 20.5   |
| K3780       | 08/23/84     | 44.0                   | 38.2                  | 36.4                     | 29.2                    | 37.5                  | 34.0            | 7.9        | —          | —      |
| K3781       | 09/07/84     | 40.5                   | 34.0                  | 37.5                     | 28.5                    | 37.8                  | 32.0            | 5.2        | —          | 7.3    |
| K3783       | 09/07/84     | 70.0                   | 65.0                  | 64.0                     | 51.2                    | 64.0                  | 55.0            | 8.8        | —          | 43.2   |
| K5624       | 06/06/85     | 67.2                   | 60.5                  | 63.2                     | 51.3                    | 63.7                  | 51.6            | 9.8        | —          | 36.4   |
| K5630 K5631 | 06/12/85     | 46.3                   | 40.0                  | 43.4                     | 34.7                    | 43.8                  | 36.7            | 6.9        | —          | 11.3   |
| K5632 K5633 | 06/18/85     | 46.5                   | 39.3                  | 42.4                     | 32.8                    | 42.2                  | 36.7            | 5.9        | —          | 10.2   |
| K5648 K5649 | 06/20/85     | 48.5                   | 42.2                  | 45.5                     | 36.2                    | 46.6                  | 40.3            | 7.5        | —          | 13.4   |
| K5643 K5644 | 06/20/85     | 46.3                   | 39.7                  | 42.8                     | 34.0                    | 42.9                  | 37.0            | 6.9        | —          | 10.6   |
| K5646 K5647 | 06/20/85     | 58.0                   | 49.2                  | 52.8                     | 39.2                    | 53.4                  | 45.7            | 8.5        | —          | 25.0   |
| K5650 K5651 | 06/21/85     | 35.8                   | 29.7                  | 34.0                     | 26.5                    | 35.1                  | 29.2            | 5.7        | —          | 5.0    |
| K5654 K5655 | 06/27/85     | 52.4                   | 45.3                  | 48.9                     | 36.5                    | 48.9                  | 42.8            | 8.0        | —          | 18.2   |
| K5652 K5653 | 06/27/85     | 33.5                   | 28.5                  | 32.0                     | 25.0                    | 32.1                  | 27.0            | 5.8        | —          | 4.3    |
| K5661 K5662 | 07/03/85     | 54.4                   | 48.3                  | 50.2                     | 40.3                    | 50.3                  | 42.5            | 7.4        | —          | 20.5   |
| K5667 K5674 | 07/19/85     | 56.2                   | 49.6                  | 51.6                     | 41.7                    | 51.9                  | 42.5            | 8.0        | —          | 20.5   |
| K5666 K5670 | 07/19/85     | 60.7                   | 49.9                  | 55.5                     | 42.2                    | 55.7                  | 48.7            | 8.2        | —          | 25.0   |
| K5679 K5680 | 08/06/85     | 52.8                   | 45.9                  | 49.0                     | 38.8                    | 49.1                  | 41.6            | 8.0        | —          | 15.0   |
| K5675 K5676 | 08/06/85     | 41.7                   | 36.4                  | 39.8                     | 32.2                    | 39.5                  | 33.4            | 6.4        | —          | 8.1    |

Table 14 continued

| Tag Number    | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| Not Tagged    | 09/10/85     | 39.2                   | 35.4                  | 37.0                     | 30.5                    | 37.3                  | 30.4            | 5.0        | ---        | 6.9    |
| NNW601 NNV801 | 11/22/85     | 56.5                   | 49.6                  | 52.8                     | 42.2                    | 53.5                  | 45.4            | 7.4        | ---        | 25.0   |
| NNW602 NNV802 | 11/22/85     | 40.1                   | 34.1                  | 38.0                     | 29.7                    | 38.2                  | 33.1            | 5.9        | ---        | 6.5    |
| NNW603 K5695  | 11/22/85     | 44.6                   | 38.9                  | 41.6                     | 32.8                    | 41.7                  | 35.5            | 5.8        | ---        | 5.8    |
| NNW604        | 11/22/85     | 61.7                   | 51.0                  | 57.7                     | 42.2                    | 58.0                  | 49.8            | 8.3        | ---        | 27.3   |
| NNW607 NNV804 | 11/26/85     | 43.4                   | 37.6                  | 40.8                     | 33.0                    | 41.1                  | 34.6            | 6.6        | ---        | 9.0    |
| NNW608 NNV806 | 11/29/85     | 45.6                   | 41.7                  | 42.8                     | 35.4                    | 43.0                  | 36.5            | 6.1        | 15.9       | 9.9    |
| NNW609 NNV807 | 11/29/85     | 38.8                   | 33.7                  | 36.2                     | 29.0                    | 36.3                  | 31.6            | 5.5        | 13.5       | 6.1    |
| NNW611 NNV809 | 11/29/85     | 45.8                   | 39.0                  | 42.0                     | 33.2                    | 42.1                  | 38.3            | 6.6        | 16.8       | 11.0   |
| NNW612 NNV811 | 12/06/85     | 44.8                   | 39.5                  | 41.2                     | 35.0                    | 41.4                  | 35.6            | 6.4        | 15.5       | 9.4    |
| NNW614 NNV813 | 01/18/86     | 47.6                   | 41.7                  | 44.8                     | 34.9                    | 45.5                  | 38.5            | 6.2        | 17.0       | 11.9   |
| NNW616 NNV815 | 01/18/86     | 35.7                   | 30.9                  | 33.9                     | 26.6                    | 34.0                  | 28.7            | 5.3        | 12.8       | 5.1    |
| NNW617 NNV816 | 01/18/86     | 42.2                   | 35.5                  | 39.7                     | 31.3                    | 40.1                  | 33.9            | 6.7        | 15.3       | 7.9    |
| NNW618 NNV812 | 01/18/86     | 44.0                   | 40.1                  | 41.6                     | 35.7                    | 41.8                  | 36.1            | 6.9        | 15.9       | 9.6    |
| NNW619 NNV817 | 01/22/86     | 39.0                   | 32.7                  | 36.7                     | 28.5                    | 36.8                  | 31.7            | 6.0        | ---        | 6.1    |
| NNW621 NNV819 | 02/04/86     | 43.3                   | 36.6                  | 40.0                     | 31.9                    | 40.0                  | 33.2            | 6.5        | 15.8       | 9.0    |
| NNW624 NNV822 | 02/04/86     | 44.7                   | 40.1                  | 42.2                     | 34.6                    | 42.4                  | 34.5            | 6.6        | 16.1       | 9.6    |
| NNW626 NNV824 | 02/18/86     | 56.7                   | 49.9                  | 52.2                     | 41.7                    | 52.8                  | 45.4            | 8.1        | 20.1       | 20.0   |
| NNW628 NNV826 | 02/18/86     | 45.9                   | 40.9                  | 43.4                     | 34.8                    | 44.2                  | 36.8            | 6.9        | 17.1       | 11.6   |
| NNW629 NNV827 | 03/11/86     | 45.5                   | 40.0                  | 43.1                     | 35.2                    | 43.3                  | 37.0            | 6.8        | 16.1       | 12.0   |
| NNW634 NNV833 | 03/11/86     | 36.8                   | 32.5                  | 35.0                     | 28.0                    | 35.5                  | 29.5            | 5.2        | 14.0       | 6.0    |
| NNW639 NNV837 | 03/11/86     | 37.4                   | 31.5                  | 36.0                     | 28.1                    | 36.2                  | 30.0            | 6.1        | 13.8       | 6.2    |
| NNW632 NNV830 | 03/11/86     | 43.5                   | 36.2                  | 41.0                     | 32.5                    | 41.1                  | 34.3            | 6.2        | 14.5       | 9.2    |
| NNW631 NNV829 | 03/11/86     | 48.2                   | 41.2                  | 45.5                     | 36.0                    | 45.6                  | 37.2            | 7.0        | 17.8       | 14.0   |
| NNW637 NNV835 | 03/11/86     | 42.8                   | 37.5                  | 40.5                     | 33.0                    | 41.0                  | 34.8            | 5.5        | 13.8       | 8.5    |
| NNW638 NNV836 | 03/11/86     | 42.0                   | 32.5                  | 39.5                     | 31.5                    | 40.0                  | 33.0            | 6.5        | 14.2       | 8.0    |
| NNW643 NNV842 | 04/22/86     | 36.0                   | 30.8                  | 33.8                     | 26.5                    | 34.7                  | 28.5            | 5.3        | 13.0       | 5.3    |
| NNW644 NNV843 | 04/22/86     | 39.9                   | 33.4                  | 38.0                     | 29.2                    | 38.3                  | 30.8            | 4.9        | 13.9       | 6.5    |
| NNW646 NNV845 | 04/22/86     | 44.5                   | 35.7                  | 41.8                     | 32.4                    | 42.0                  | 34.8            | 6.7        | 15.2       | 9.5    |
| NNW648 NNV847 | 04/22/86     | 42.1                   | 36.3                  | 39.7                     | 31.9                    | 39.8                  | 33.3            | 6.5        | 15.3       | 8.4    |
| NNW649 NNV848 | 04/22/86     | 40.1                   | 34.0                  | 37.3                     | 30.1                    | 37.3                  | 31.4            | 6.0        | 14.8       | 6.9    |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| NNW650     | NNV850 | 04/22/86     | 41.5                   | 36.5                  | 39.9                     | 33.0                    | 40.3                  | 33.4            | 6.3        | 13.4       | 7.5    |
| NNW652     | NNV852 | 04/24/86     | 53.5                   | 46.1                  | 50.8                     | 40.0                    | 51.2                  | 43.5            | 6.9        | 18.1       | 16.4   |
| NNW653     | NNV853 | 04/24/86     | 57.6                   | 52.4                  | 54.2                     | 43.4                    | 54.9                  | 46.1            | 7.8        | 21.0       | 24.0   |
| NNW655     | NNV855 | 04/24/86     | 57.6                   | 47.9                  | 54.9                     | 41.8                    | 55.4                  | 47.1            | 8.0        | 19.8       | 21.5   |
| NNW660     | NNV860 | 04/29/86     | 37.2                   | 31.5                  | 35.2                     | 27.9                    | 35.3                  | 29.1            | 6.0        | 13.4       | 5.5    |
| NNW661     | NNV861 | 04/29/86     | 44.5                   | 37.8                  | 42.5                     | 33.3                    | 42.5                  | 35.6            | 6.7        | 15.8       | 9.0    |
| NNW665     | NNV865 | 05/07/86     | 49.6                   | 41.7                  | 46.3                     | 36.2                    | 46.6                  | 38.7            | 7.3        | 17.9       | 13.2   |
| NNZ415     | NNZ416 | 05/21/86     | 47.2                   | 40.0                  | 44.9                     | 34.5                    | 45.0                  | 37.2            | 6.8        | 15.6       | —      |
| NNZ424     | NNZ425 | 05/22/86     | 37.8                   | 33.0                  | 36.1                     | 28.8                    | 36.2                  | 31.2            | 6.0        | 13.5       | 6.6    |
| NNZ422     | NNZ423 | 05/22/86     | 47.1                   | 40.7                  | 44.3                     | 33.8                    | 44.8                  | 38.8            | 6.9        | 16.7       | 11.6   |
| NNZ418     | NNZ419 | 05/22/86     | 54.4                   | 44.4                  | 51.1                     | 39.9                    | 51.1                  | 42.3            | 7.6        | 19.3       | 17.1   |
| NNW678     | NNV878 | 05/29/86     | 39.6                   | 35.4                  | 37.3                     | 30.8                    | 37.5                  | 30.8            | 5.9        | 14.9       | 7.4    |
| NNW674     | NNV874 | 05/29/86     | 49.4                   | 45.1                  | 46.8                     | 36.3                    | 46.8                  | 40.4            | 7.4        | 18.7       | 15.6   |
| NNW688     | NNV888 | 05/30/86     | 39.4                   | 34.1                  | 37.3                     | 29.9                    | 37.5                  | 30.5            | 5.7        | 14.2       | 6.9    |
| NNW686     | NNV886 | 05/30/86     | 75.3                   | 65.1                  | 70.8                     | 54.3                    | 71.8                  | 58.2            | 10.1       | 27.7       | 51.0   |
| NNW684     | NNV884 | 05/30/86     | 45.0                   | 39.4                  | 43.1                     | 34.5                    | 43.3                  | 37.6            | 6.7        | 15.5       | 10.7   |
| NNW690     | NNV890 | 06/02/86     | 55.0                   | 47.2                  | 52.2                     | 39.9                    | 52.9                  | 44.1            | 8.3        | 21.0       | 19.0   |
| NNW689     | NNV889 | 06/02/86     | 70.5                   | 60.8                  | 66.1                     | 51.7                    | 67.0                  | 55.1            | 9.7        | 25.4       | 43.0   |
| NNW695     | NNV895 | 06/09/86     | 47.0                   | 40.1                  | 44.4                     | 34.5                    | 44.9                  | 38.0            | 6.3        | 16.5       | 11.5   |
| NNZ435     | K5696  | 06/11/86     | 44.5                   | 39.7                  | 41.9                     | 33.2                    | 42.0                  | 36.3            | 6.3        | 16.0       | 10.2   |
| NNW700     | NNV900 | 06/11/86     | 55.4                   | 49.0                  | 51.7                     | 40.7                    | 51.8                  | 44.8            | 8.2        | 19.2       | 20.5   |
| NNW499     | NNV899 | 06/11/86     | 52.0                   | 47.2                  | 49.2                     | 40.5                    | 49.5                  | 42.7            | 7.3        | 18.1       | 17.0   |
| NNZ437     | K6202  | 06/20/86     | 37.5                   | 31.0                  | 35.2                     | 26.9                    | 35.9                  | 29.4            | 5.8        | 12.9       | 5.4    |
| NNZ439     | K6204  | 06/24/86     | 40.8                   | 37.9                  | 37.8                     | 31.9                    | 38.1                  | 32.3            | 6.2        | 16.0       | 7.8    |
| NNZ454     | K6205  | 06/24/86     | 47.5                   | 42.1                  | 43.6                     | 35.5                    | 44.3                  | 37.5            | 6.7        | 17.9       | 11.5   |
| NNZ440     | K5700  | 06/25/86     | 35.0                   | 31.1                  | 32.7                     | 27.8                    | 32.8                  | 27.8            | 5.6        | 12.3       | 4.7    |
| NNZ441     | K6207  | 06/25/86     | 60.1                   | 54.3                  | 55.9                     | 46.2                    | 56.1                  | 48.4            | 8.7        | 20.9       | 24.0   |
| NNZ456     | K6208  | 06/25/86     | 53.6                   | 47.3                  | 50.3                     | 40.2                    | 50.6                  | 43.5            | 7.8        | 19.5       | 18.5   |
| NNZ443     | K6210  | 06/25/86     | 53.5                   | 47.5                  | 49.9                     | 39.8                    | 50.0                  | 42.8            | 7.7        | 18.7       | 17.0   |
| NNZ444     | K6211  | 06/27/86     | 35.8                   | 29.1                  | 33.5                     | 25.6                    | 33.9                  | 28.7            | 5.8        | 13.8       | 5.7    |
| NNZ445     | K6212  | 06/27/86     | 36.5                   | 31.7                  | 34.2                     | 27.2                    | 34.5                  | 29.6            | 5.5        | 12.0       | 5.3    |

Table 14 continued

| Tag Number |       | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|            |       |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| NNZ448     | K6213 | 07/03/86     | 40.6            | 33.0           | 38.3            | 29.0           | 38.5            | 32.5            | 6.4        | 14.2       | 7.4    |
| NNZ449     | K6214 | 07/08/86     | 46.7            | 39.9           | 43.8            | 33.9           | 44.3            | 38.3            | 6.7        | 16.8       | 11.4   |
| NNZ450     | K6215 | 07/08/86     | 32.1            | 28.0           | 29.7            | 24.8           | 29.9            | 25.8            | 4.9        | 11.9       | 4.1    |
| NNZ457     | K6216 | 07/11/86     | 38.0            | 32.1           | 35.8            | 28.0           | 36.2            | 30.8            | 6.0        | 14.8       | 6.8    |
| NNZ458     | K6217 | 07/22/86     | 59.9            | 50.0           | 56.6            | 41.9           | 56.7            | 46.5            | 8.2        | 20.3       | 24.0   |
| NNZ459     | K6218 | 07/23/86     | 37.4            | 32.2           | 35.8            | 29.3           | 36.0            | 30.7            | 5.6        | 13.2       | 6.0    |
| NNZ460     | K6219 | 07/23/86     | 39.5            | 35.9           | 37.4            | 31.2           | 37.7            | 33.5            | 6.2        | 16.0       | 8.8    |
| NNZ463     | K6222 | 07/23/86     | 42.3            | 34.6           | 40.3            | 30.8           | 40.1            | 32.1            | 6.2        | 15.0       | 8.0    |
| NNZ464     | K6223 | 07/23/86     | 52.7            | 44.7           | 49.0            | 38.5           | 49.3            | 40.4            | 7.5        | 18.8       | 15.3   |
| NNZ465     | K6224 | 07/24/86     | 39.7            | 34.9           | 38.1            | 31.1           | 38.4            | 31.9            | 5.9        | 14.6       | 7.5    |
| NNZ467     | K6226 | 07/24/86     | 40.1            | 33.7           | 38.2            | 29.7           | 38.4            | 32.5            | 6.3        | 15.2       | 7.4    |
| NNZ469     | K6228 | 07/24/86     | 53.4            | 46.5           | 51.1            | 40.5           | 51.3            | 43.4            | 7.9        | 20.6       | 20.0   |
| NNZ470     | K6230 | 07/24/86     | 52.0            | 45.3           | 49.7            | 38.5           | 49.8            | 42.6            | 7.5        | 18.5       | 17.0   |
| NNZ471     | K6231 | 07/24/86     | 44.5            | 38.4           | 42.0            | 33.5           | 42.5            | 35.6            | 6.5        | 16.5       | 10.0   |
| NNZ472     | K6232 | 07/24/86     | 46.0            | 38.9           | 43.7            | 33.7           | 43.9            | 37.8            | 6.5        | 16.2       | 10.3   |
| NNZ473     | K6233 | 07/24/86     | 48.8            | 45.0           | 46.8            | 39.0           | 47.4            | 41.0            | 7.2        | 18.2       | 14.9   |
| NNZ474     | K6234 | 07/24/86     | 48.4            | 41.5           | 45.8            | 33.5           | 46.2            | 39.5            | 7.0        | 17.2       | 12.9   |
| K6236      | K6237 | 07/24/86     | 56.9            | 47.9           | 53.8            | 40.9           | 54.3            | 45.2            | 7.9        | 21.4       | 22.5   |
| NNZ477     | K6243 | 07/29/86     | 48.4            | 41.0           | 46.1            | 35.6           | 46.2            | 37.8            | 7.0        | 15.2       | 11.2   |
| NNZ492     | K6229 | 07/29/86     | 42.4            | 36.4           | 39.6            | 31.4           | 39.5            | 33.7            | 5.2        | 14.2       | 8.1    |
| NNZ480     | K6249 | 07/29/86     | 76.2            | 67.3           | 71.8            | 55.2           | 72.5            | 59.4            | 10.0       | 28.4       | 57.0   |
| NNZ481     | K6244 | 07/30/86     | 39.6            | 33.2           | 36.8            | 27.9           | 36.2            | 31.7            | 5.8        | 15.9       | 7.3    |
| NNZ484     | K6245 | 07/30/86     | 56.3            | 47.4           | 52.3            | 39.4           | 52.5            | 44.8            | 7.9        | 19.9       | 18.5   |
| NNZ485     | K6250 | 07/30/86     | 48.5            | 42.0           | 45.8            | 37.3           | 46.0            | 37.6            | 7.1        | 18.7       | 14.5   |
| NNZ490     | K6251 | 07/31/86     | 38.8            | 33.5           | 36.7            | 29.3           | 36.7            | 30.8            | 6.0        | 13.5       | 6.5    |
| NNZ491     | K6252 | 07/31/86     | 38.4            | 32.4           | 36.4            | 28.1           | 36.5            | 29.6            | 5.8        | 13.4       | 5.6    |
| NNZ301     | K6253 | 08/01/86     | 60.0            | 51.0           | 56.3            | 44.0           | 56.7            | 48.3            | 8.2        | 21.0       | 23.5   |
| NNZ302     | K6254 | 08/01/86     | 37.3            | 32.5           | 35.9            | 28.9           | 36.0            | 28.9            | 6.0        | 12.0       | 5.4    |
| NNZ303     | K6255 | 08/01/86     | 35.5            | 31.8           | 34.1            | 27.9           | 34.3            | 29.1            | 5.6        | 13.5       | 6.1    |
| NNZ304     | K6256 | 08/01/86     | 36.4            | 32.6           | 35.3            | 29.1           | 35.4            | 29.0            | 5.9        | 13.0       | 6.0    |
| NNZ305     | K6257 | 08/08/86     | 53.4            | 48.1           | 51.1            | 40.6           | 51.5            | 42.9            | 7.4        | 19.1       | 19.0   |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| NNZ314     | K6259  | 08/12/86     | 35.6                   | 32.0                  | 34.0                     | 28.1                    | 34.2                  | 29.0            | 6.0        | 13.8       | 5.6    |
| NNZ315     | K6260  | 08/12/86     | 46.5                   | 41.1                  | 44.4                     | 35.2                    | 44.9                  | 37.7            | 7.4        | 17.1       | 12.4   |
| NNZ386     | K6263  | 08/13/86     | 40.4                   | 34.3                  | 38.2                     | 30.2                    | 38.4                  | 32.0            | 5.8        | 13.5       | 7.5    |
| NNZ316     | K6269  | 08/15/86     | 35.9                   | 31.0                  | 34.5                     | 28.1                    | 34.8                  | 28.1            | 5.5        | 12.0       | 5.4    |
| NNZ317     | K6270  | 08/15/86     | 57.2                   | 49.5                  | 54.8                     | 39.5                    | 55.0                  | 44.2            | 8.2        | 20.8       | 22.0   |
| NNZ319     | K6272  | 08/15/86     | 42.0                   | 35.2                  | 39.8                     | 31.9                    | 39.9                  | 33.0            | 6.4        | 15.5       | 8.6    |
| NNZ322     | K6273  | 08/19/86     | 35.0                   | 29.7                  | 32.8                     | 26.9                    | 32.8                  | 27.9            | 5.9        | 13.4       | 5.2    |
| NNZ321     | K6274  | 08/19/86     | ----                   | ----                  | 38.1                     | 29.6                    | 38.1                  | 32.8            | 6.3        | 14.9       | 7.3    |
| NNZ323     | K6275  | 08/19/86     | 36.8                   | 30.8                  | 34.7                     | 27.8                    | 34.8                  | 29.4            | 5.8        | 13.8       | 5.9    |
| NNZ326     | K6276  | 08/22/86     | 43.6                   | 36.5                  | 41.2                     | 30.9                    | 41.3                  | 35.1            | 6.3        | 15.6       | 8.9    |
| NNZ327     | K6277  | 08/22/86     | 41.7                   | 34.1                  | 39.6                     | 29.2                    | 39.7                  | 32.2            | 6.0        | 15.2       | 8.1    |
| NNZ329     | K6279  | 08/22/86     | 40.4                   | 35.9                  | 38.9                     | 31.9                    | 38.9                  | 32.3            | 6.2        | 14.8       | 8.5    |
| NNZ330     | K6280  | 08/22/86     | 42.7                   | 36.2                  | 40.8                     | 32.4                    | 40.8                  | 34.5            | 6.3        | 15.6       | 8.6    |
| NNZ331     | K6281  | 08/22/86     | 32.9                   | 27.7                  | 31.3                     | 24.0                    | 31.4                  | 25.6            | 5.1        | 12.3       | 4.3    |
| NNZ334     | K6284  | 09/05/86     | 30.5                   | 26.2                  | 29.7                     | 23.2                    | 29.9                  | 24.4            | 5.0        | 11.3       | 3.5    |
| NNZ335     | K6285  | 09/05/86     | 41.5                   | 35.9                  | 38.9                     | 30.4                    | 38.7                  | 32.9            | 6.3        | 14.9       | 8.6    |
| NNZ337     |        | 09/05/86     | 51.4                   | 44.4                  | 48.9                     | 38.5                    | 49.3                  | 42.7            | 7.3        | 18.4       | 17.5   |
| NNZ340     | K6289  | 09/05/86     | 30.4                   | 26.6                  | 29.2                     | 23.3                    | 29.4                  | 24.4            | 4.8        | 11.3       | 3.5    |
| NNZ341     | K6290  | 09/11/86     | 40.6                   | 33.2                  | 39.4                     | 31.0                    | 39.6                  | 32.3            | 6.9        | 14.4       | 7.6    |
| NNZ342     | K6291  | 09/11/86     | 38.3                   | 32.8                  | 36.6                     | 28.8                    | 36.7                  | 32.0            | 5.9        | 13.9       | 6.4    |
| NNZ344     | K6293  | 09/11/86     | 47.1                   | 41.5                  | 45.1                     | 35.9                    | 45.4                  | 36.8            | 7.0        | 17.3       | 12.8   |
| NNZ345     | K6295  | 09/11/86     | 62.5                   | 53.5                  | 58.9                     | 45.2                    | 59.5                  | 49.7            | 8.4        | 23.6       | 28.0   |
| NNZ346     | K6296  | 09/11/86     | 59.5                   | 51.6                  | 55.8                     | 44.4                    | 56.2                  | 47.5            | 7.4        | 19.0       | 23.0   |
| NNZ347     | K6297  | 09/17/86     | 57.2                   | 50.4                  | 53.6                     | 42.9                    | 53.7                  | 42.9            | 7.8        | 20.7       | 21.0   |
| NNZ350     | K6300  | 09/17/86     | 53.7                   | 48.2                  | 51.4                     | 41.2                    | 51.5                  | 43.9            | 7.7        | 18.9       | 18.0   |
| NNZ351     | NNZ352 | 09/24/86     | 35.1                   | 29.2                  | 32.6                     | 25.7                    | 32.8                  | 27.0            | 5.0        | 12.2       | 4.9    |
| NNZ355     | NNZ356 | 09/24/86     | 49.6                   | 42.4                  | 46.9                     | 35.9                    | 47.3                  | 40.0            | 6.6        | 18.0       | 15.0   |
| NNZ361     | NNZ362 | 10/08/86     | 36.9                   | 33.1                  | 35.2                     | 29.6                    | 35.4                  | 29.4            | 5.9        | 13.8       | 5.8    |
| NNZ363     | NNZ364 | 10/08/86     | 46.9                   | 39.9                  | 44.1                     | 35.2                    | 44.4                  | 37.5            | 6.5        | 17.0       | 11.8   |
| NNZ365     | NNZ366 | 10/17/86     | 59.1                   | 53.3                  | 55.3                     | 47.2                    | 56.0                  | 47.8            | 8.3        | 22.0       | 26.5   |
| NNZ369     | NNZ370 | 10/24/86     | 38.5                   | 33.3                  | 36.3                     | 29.0                    | 36.5                  | 31.2            | 6.0        | 14.3       | 6.5    |

Table 14 continued

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |      |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |      |
| NNZ371     | NNZ372       | 10/24/86        | 35.5           | 30.2            | 33.8           | 26.6            | 33.9            | 28.7       | 5.5        | 13.0   | 5.1  |
| NNZ373     | NNZ374       | 10/24/86        | 58.4           | 50.8            | 55.0           | 43.4            | 55.3            | 45.5       | 8.3        | 21.6   | 25.0 |
| NNZ375     |              | 10/24/86        | 41.8           | 34.8            | 39.0           | 29.0            | 39.0            | 33.5       | 6.2        | 16.8   | 8.7  |
| NNZ391     | NNZ488       | 10/24/86        | 42.1           | 35.2            | 39.7           | 31.0            | 39.9            | 33.3       | 6.7        | 15.8   | 8.8  |
| NNZ392     | NNZ393       | 10/24/86        | 40.5           | 35.0            | 38.1           | 29.9            | 38.2            | 32.1       | 6.3        | 14.8   | 7.6  |
| NNZ395     |              | 10/29/86        | 61.1           | 51.0            | 56.7           | 43.0            | 56.9            | 46.8       | 8.5        | 22.8   | 26.5 |
| NNZ396     |              | 10/29/86        | 48.0           | 41.2            | 45.0           | 36.3            | 45.2            | 37.8       | 7.2        | 16.8   | 13.0 |
| NNZ399     | NNZ400       | 11/05/86        | 58.4           | 48.5            | 53.9           | 41.5            | 54.1            | 45.0       | 7.8        | 20.9   | 23.0 |
| PPJ003     | PPJ004       | 11/11/86        | 55.9           | 49.7            | 52.2           | 41.0            | 52.5            | 44.8       | 7.5        | 19.8   | 19.0 |
| PPJ005     | PPJ006       | 11/11/86        | 51.3           | 45.6            | 49.6           | 38.0            | 49.9            | 43.0       | 7.1        | 17.9   | 17.0 |
| PPJ007     | PPJ008       | 11/11/86        | 59.6           | 49.7            | 56.2           | 42.7            | 56.6            | 47.0       | 8.1        | 20.8   | 25.0 |
| PPJ017     | PPJ018       | 11/26/86        | 36.6           | 32.0            | 34.5           | 28.5            | 34.5            | 28.5       | 5.7        | 12.8   | 5.2  |
| PPJ025     | PPJ026       | 11/26/86        | 48.6           | 41.8            | 46.1           | 36.1            | 46.2            | 39.0       | 7.3        | 19.3   | 14.2 |
| PPJ021     | PPJ022       | 11/26/86        | 34.6           | 30.8            | 32.6           | 26.9            | 32.8            | 26.7       | 5.1        | 12.2   | 4.5  |
| PPJ019     | PPJ020       | 11/26/86        | 50.5           | 43.6            | 47.5           | 38.9            | 47.7            | 39.6       | 7.0        | 17.0   | 13.5 |
| PPJ027     | PPJ028       | 12/10/86        | 38.1           | 31.4            | 35.8           | 26.9            | 35.9            | 28.7       | 5.7        | 13.6   | 5.7  |
| PPJ029     | PPJ030       | 12/10/86        | 39.6           | 34.0            | 37.5           | 29.7            | 37.5            | 31.1       | 5.9        | 14.4   | 7.0  |
| PPJ035     | PPJ036       | 12/10/86        | 64.8           | 57.6            | 60.8           | 49.0            | 61.0            | 52.2       | 9.0        | 24.6   | 35.0 |
| PPJ040     | PPJ041       | 12/10/86        | 42.0           | 35.6            | 40.2           | 31.8            | 40.4            | 32.5       | 6.2        | 12.4   | 6.9  |
| PPJ042     | PPJ043       | 12/10/86        | 65.7           | 59.0            | 61.3           | 49.0            | 61.9            | 53.8       | 9.0        | 23.1   | 35.5 |
| PPJ044     | PPJ045       | 12/17/86        | 38.1           | 33.8            | 36.2           | 29.2            | 36.3            | 30.1       | 6.2        | 13.2   | 6.4  |
| PPJ046     | PPJ047       | 12/17/86        | 35.5           | 30.9            | 34.0           | 27.0            | 34.2            | 28.8       | 5.4        | 12.4   | 5.3  |
| PPJ048     | PPJ049       | 12/17/86        | 44.6           | 38.5            | 42.8           | 34.1            | 43.2            | 35.0       | 6.5        | 14.9   | 9.6  |
| PPJ050     | PPJ051       | 12/17/86        | 37.2           | 30.7            | 35.9           | 27.8            | 36.0            | 29.0       | 5.4        | 12.0   | 5.3  |
| PPJ052     | PPJ053       | 12/17/86        | 39.7           | 35.4            | 38.1           | 31.2            | 38.4            | 31.2       | 6.2        | 14.1   | 7.6  |
| PPJ054     | PPJ055       | 12/17/86        | 32.7           | 27.9            | 31.3           | 24.4            | 31.5            | 26.1       | 4.9        | 11.3   | 3.9  |
| PPJ062     | PPJ063       | 01/08/87        | 31.9           | 27.2            | 30.2           | 24.4            | 30.5            | 25.4       | 5.0        | 11.4   | 3.8  |
| PPJ060     | PPJ061       | 01/08/87        | 34.6           | 29.1            | 32.8           | 25.2            | 32.9            | 27.8       | 5.3        | 13.2   | 4.6  |
| PPJ058     | PPJ059       | 01/08/87        | 40.6           | 34.7            | 38.2           | 29.9            | 38.2            | 32.4       | 6.0        | 15.5   | 7.6  |
| PPJ070     | PPJ067       | 01/15/87        | 46.8           | 39.5            | 44.3           | 34.9            | 44.3            | 36.5       | 7.3        | 16.6   | 11.8 |
| PPJ077     | PPJ078       | 01/19/87        | 32.3           | 28.3            | 31.0           | 25.9            | 31.4            | 26.1       | 5.0        | 11.7   | 4.2  |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Body Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|-------------|
| PPJ075     | PPJ076 | 01/19/87     | 50.5                   | 44.4                  | 47.5                     | 37.2                    | 47.5                  | 40.6            | 7.5        | 19.2       | 16.0        |
| PPJ073     | PPJ074 | 01/19/87     | 54.5                   | 45.0                  | 51.4                     | 38.8                    | 52.2                  | 44.8            | 7.4        | 19.4       | 18.5        |
| PPJ091     | PPJ092 | 02/12/87     | 39.6                   | 34.6                  | 36.8                     | 29.8                    | 37.5                  | 31.5            | 5.5        | 13.5       | 6.5         |
| PPJ098     | PPJ099 | 02/12/87     | 33.0                   | 29.0                  | 31.2                     | 25.4                    | 31.4                  | 27.0            | 5.0        | 12.5       | 3.9         |
| PPJ096     | PPJ097 | 02/12/87     | 47.2                   | 40.8                  | 43.5                     | 34.3                    | 43.5                  | 36.0            | 6.3        | 16.5       | 12.0        |
| PPJ107     | PPJ108 | 03/03/87     | 37.0                   | 32.5                  | 35.4                     | 28.4                    | 35.5                  | 30.0            | 5.5        | 13.2       | 6.0         |
| PPJ101     | PPJ102 | 03/03/87     | 34.5                   | 32.2                  | 32.2                     | 26.2                    | 32.4                  | 26.5            | 5.0        | 13.0       | ---         |
| PPJ113     | PPJ114 | 03/16/87     | 37.2                   | 33.0                  | 35.3                     | 28.3                    | 35.3                  | 30.7            | 5.2        | 14.1       | 6.1         |
| PPJ115     | PPJ116 | 03/16/87     | 31.2                   | 27.2                  | 29.8                     | 23.5                    | 30.0                  | 24.6            | 4.9        | 11.2       | 3.5         |
| PPJ117     | PPJ118 | 03/16/87     | 30.1                   | 25.0                  | 28.5                     | 22.2                    | 29.3                  | 25.0            | 4.7        | 10.1       | 3.0         |
| PPJ119     | PPJ120 | 03/16/87     | 45.5                   | 40.4                  | 42.3                     | 33.1                    | 42.3                  | 37.1            | 6.0        | 17.4       | 11.5        |
| PPJ121     | PPJ122 | 03/16/87     | 43.0                   | 38.5                  | 40.4                     | 33.2                    | 40.4                  | 33.0            | 6.0        | 15.9       | 11.0        |
| PPJ125     | PPJ126 | 03/17/87     | 38.6                   | 33.3                  | 36.4                     | 29.5                    | 36.6                  | 30.3            | 5.8        | 12.6       | 7.0         |
| PPJ127     | PPJ128 | 03/17/87     | 36.8                   | 32.9                  | 32.4                     | 28.2                    | 32.4                  | 29.2            | 5.5        | 14.3       | 7.5         |
| PPJ129     | PPJ130 | 03/17/87     | 34.9                   | 30.7                  | 32.5                     | 26.8                    | 32.7                  | 27.8            | 5.0        | 12.9       | 6.0         |
| PPJ139     | PPJ140 | 03/20/87     | 29.3                   | 25.2                  | 27.7                     | 22.2                    | 28.0                  | 24.2            | 5.0        | 11.4       | 2.9         |
| Not Tagged |        | 03/20/87     | 35.3                   | 31.2                  | 33.4                     | 27.3                    | 33.4                  | 28.4            | 5.6        | 13.2       | 5.4         |
| PPJ141     | PPJ142 | 04/09/87     | 33.0                   | 26.6                  | 32.0                     | 31.0                    | 32.3                  | 26.0            | 5.3        | 13.0       | 4.7         |
| PPJ145     | PPJ146 | 04/21/87     | 42.5                   | 35.1                  | 40.8                     | 31.3                    | 41.0                  | 34.8            | 5.9        | 14.5       | 8.7         |
| PPJ149     | PPJ150 | 04/21/87     | 55.6                   | 46.3                  | 52.1                     | 41.5                    | 52.2                  | 45.0            | 7.6        | 20.8       | 22.0        |
| PPJ151     | PPJ152 | 04/21/87     | 36.2                   | 30.8                  | 33.5                     | 26.2                    | 34.1                  | 30.0            | 4.3        | 13.6       | 5.1         |
| PPJ165     | PPJ166 | 04/30/87     | 44.0                   | 35.5                  | 41.4                     | 32.2                    | 41.6                  | 35.5            | 6.0        | 15.8       | 9.7         |
| PPJ170     | PPJ171 | 05/20/87     | 39.1                   | 33.2                  | 36.9                     | 29.8                    | 37.7                  | 32.2            | 6.1        | 15.2       | 6.9         |
| PPJ174     | PPJ175 | 05/21/87     | 37.0                   | 32.0                  | 36.0                     | 28.1                    | 36.1                  | 30.0            | 6.0        | 14.9       | 6.3         |
| PPJ178     | PPJ179 | 05/21/87     | 37.5                   | 32.4                  | 35.4                     | 27.8                    | 35.4                  | 31.9            | 5.4        | 14.2       | 6.4         |
| PPJ192     | PPJ193 | 06/02/87     | 32.8                   | 28.5                  | 29.9                     | 24.9                    | 30.2                  | 26.5            | 4.9        | 12.7       | 3.9         |
| PPJ198     | PPJ199 | 06/04/87     | 30.2                   | 24.5                  | 28.8                     | 21.5                    | 28.9                  | 25.0            | 4.8        | 11.4       | 3.0         |
| PPJ200     | PPJ201 | 06/05/87     | 36.4                   | 31.0                  | 34.5                     | 27.6                    | 34.5                  | 28.7            | 5.8        | 12.4       | 5.4         |
| PPJ215     | PPJ216 | 06/12/87     | 35.5                   | 32.6                  | 34.2                     | 27.3                    | 34.6                  | 29.0            | 5.6        | 13.1       | 5.2         |
| PPJ217     | PPJ218 | 06/12/87     | 40.2                   | 35.9                  | 38.3                     | 29.9                    | 38.4                  | 33.0            | 5.2        | 14.9       | 7.2         |
| PPJ219     | PPJ220 | 06/12/87     | 41.1                   | 35.5                  | 38.6                     | 31.7                    | 38.6                  | 31.0            | 6.2        | 13.1       | 7.2         |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| PPJ221     | PPJ222 | 06/12/87     | 35.8                   | 30.4                  | 33.8                     | 27.3                    | 34.2                  | 29.2            | 5.5        | 12.0       | 5.0    |
| PPJ225     | PPJ226 | 06/17/87     | 57.7                   | 49.5                  | 54.4                     | 41.9                    | 54.8                  | 46.8            | 8.4        | 22.1       | 26.0   |
| PPJ227     | PPJ228 | 06/17/87     | 46.0                   | 39.0                  | 42.8                     | 32.3                    | 42.8                  | 36.2            | 6.9        | 17.8       | 11.0   |
| PPJ233     | PPJ234 | 06/18/87     | 44.4                   | 38.2                  | 41.3                     | 33.3                    | 41.4                  | 34.8            | 6.3        | 16.1       | 9.2    |
| PPJ235     | PPJ236 | 06/18/87     | 44.4                   | 38.2                  | 41.6                     | 32.5                    | 41.9                  | 35.7            | 6.6        | 16.6       | 9.8    |
| PPJ241     | PPJ242 | 06/18/87     | 49.5                   | 42.4                  | 46.4                     | 36.9                    | 46.4                  | 41.2            | 6.9        | 18.4       | 16.0   |
| PPJ243     | PPJ244 | 06/18/87     | 45.1                   | 40.5                  | 42.2                     | 43.7                    | 42.3                  | 36.1            | 7.0        | 15.7       | 12.0   |
| PPJ246     |        | 06/18/87     | 37.0                   | 30.8                  | 34.8                     | 26.8                    | 35.0                  | 30.4            | 5.4        | 13.5       | 6.0    |
| PPJ247     |        | 06/18/87     | 37.8                   | 34.0                  | 36.5                     | 29.0                    | 36.5                  | 30.5            | 5.8        | 14.1       | 7.0    |
| PPJ248     |        | 06/18/87     | 34.2                   | 30.0                  | 32.8                     | 26.5                    | 32.9                  | 27.1            | 5.1        | 12.0       | 4.4    |
| PPJ252     | PPJ253 | 06/18/87     | 31.1                   | 32.8                  | 34.9                     | 28.4                    | 34.9                  | 29.6            | 5.4        | 11.8       | 5.1    |
| PPJ245     |        | 06/18/87     | 35.9                   | 30.2                  | 33.8                     | 26.4                    | 33.9                  | 28.7            | 5.9        | 12.7       | 5.2    |
| PPJ256     | PPJ257 | 06/19/87     | 35.9                   | 29.5                  | 33.1                     | 25.7                    | 33.3                  | 28.3            | 5.4        | 11.6       | 4.7    |
| PPJ258     | PPJ259 | 06/23/87     | 45.8                   | 40.0                  | 43.1                     | 34.0                    | 43.2                  | 38.0            | 6.5        | 16.0       | 10.3   |
| PPJ260     | PPJ261 | 06/23/87     | 53.6                   | 45.7                  | 50.6                     | 39.2                    | 50.9                  | 43.2            | 7.8        | 18.6       | 17.9   |
| PPJ268     |        | 06/30/87     | 47.0                   | 41.9                  | 44.2                     | 36.3                    | 44.8                  | 36.7            | 6.9        | 15.9       | 10.7   |
| PPJ270     |        | 07/01/87     | 39.5                   | 34.8                  | 37.2                     | 31.0                    | 37.2                  | 31.5            | 5.9        | 13.3       | 6.3    |
| PPJ275     |        | 07/07/87     | 41.1                   | 37.0                  | 38.3                     | 30.7                    | 38.7                  | 32.7            | 6.3        | 15.4       | 8.2    |
| PPJ274     |        | 07/07/87     | 49.6                   | 41.9                  | 46.9                     | 36.6                    | 47.4                  | 39.2            | 7.0        | 17.0       | 15.0   |
| PPJ276     |        | 07/07/87     | 34.2                   | 29.5                  | 31.9                     | 25.3                    | 32.0                  | 27.8            | 5.2        | 11.2       | 4.2    |
| PPJ284     | PPJ285 | 07/09/87     | 32.3                   | 28.0                  | 31.2                     | 25.3                    | 31.2                  | 26.5            | 5.2        | 11.4       | 4.2    |
| PPJ290     | PPJ291 | 07/17/87     | 41.0                   | 35.2                  | 39.0                     | 31.2                    | 39.1                  | 33.3            | 6.0        | 14.7       | 8.1    |
| PPJ295     | PPJ296 | 07/17/87     | 39.6                   | 34.0                  | 37.4                     | 29.4                    | 37.9                  | 31.5            | 6.0        | 14.3       | 7.2    |
| PPJ297     | PPJ298 | 07/17/87     | 41.0                   | 35.2                  | 39.0                     | 31.0                    | 39.2                  | 34.0            | 6.5        | 14.5       | 8.7    |
| PPJ299     | PPJ300 | 07/17/87     | 32.8                   | 28.7                  | 31.5                     | 24.0                    | 32.0                  | 27.0            | 5.0        | 12.0       | 4.1    |
| PPN701     | PPN702 | 07/24/87     | 44.4                   | 38.3                  | 41.7                     | 32.2                    | 41.7                  | 36.5            | 6.1        | 17.6       | 11.0   |
| PPN703     | PPN704 | 07/31/87     | 36.3                   | 28.2                  | 34.4                     | 25.5                    | 34.6                  | 28.2            | 5.8        | 12.3       | 4.9    |
| PPN705     | PPN706 | 07/31/87     | 57.1                   | 51.0                  | 53.9                     | 44.3                    | 54.1                  | 45.8            | 8.0        | 21.0       | 22.0   |
| PPN714     | PPN715 | 08/04/87     | 51.8                   | 54.9                  | 48.1                     | 37.4                    | 48.1                  | 41.2            | 7.4        | 18.8       | 16.5   |
| PPN716     | PPN717 | 08/07/87     | 34.2                   | 30.3                  | 32.0                     | 26.2                    | 32.2                  | 26.4            | 5.3        | 11.4       | 4.4    |
| PPN718     | PPN719 | 08/07/87     | 42.1                   | 36.1                  | 39.7                     | 31.8                    | 39.9                  | 33.0            | ---        | 13.8       | 7.7    |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| PPN723     | PPN724 | 08/07/87     | 70.5                   | 62.0                  | 66.5                     | 51.9                    | 66.5                  | 55.0            | 9.5        | 26.3       | 44.0   |
| PPN726     | PPN727 | 08/07/87     | 55.0                   | 47.0                  | 52.1                     | 39.0                    | 52.2                  | 44.1            | 8.0        | 20.0       | 21.0   |
| PPN728     | PPN729 | 09/03/87     | 33.8                   | 28.0                  | 32.2                     | 25.0                    | 32.2                  | 26.8            | 5.8        | 11.9       | 4.9    |
| PPN732     | PPN733 | 09/03/87     | 49.2                   | 43.3                  | 47.1                     | 37.8                    | 47.2                  | 40.2            | 6.7        | 16.2       | —      |
| PPN736     | PPN737 | 11/19/87     | 60.5                   | 48.7                  | 56.8                     | 42.6                    | 56.8                  | 50.3            | 8.2        | 21.9       | 26.0   |
| PPN738     | PPN743 | 11/19/87     | 39.8                   | 34.4                  | 37.8                     | 30.0                    | 37.9                  | 33.3            | 5.9        | 14.0       | 7.2    |
| PPN744     | PPN745 | 11/27/87     | 30.8                   | 25.2                  | 29.0                     | 22.6                    | 29.1                  | 24.5            | 4.1        | 11.2       | 3.1    |
| PPN746     | PPN747 | 11/27/87     | 44.4                   | 40.0                  | 42.1                     | 34.3                    | 42.1                  | 34.9            | 7.0        | 16.0       | 11.5   |
| PPN748     | PPN749 | 12/02/87     | 64.6                   | 51.7                  | 60.7                     | 44.7                    | 61.0                  | 53.0            | 9.2        | 25.2       | 35.0   |
| PPN753     | PPN754 | 01/18/88     | 29.2                   | 24.0                  | 27.8                     | 21.4                    | 28.0                  | 22.7            | 4.8        | 10.0       | 2.7    |
| PPN755     | PPN756 | 01/18/88     | 52.7                   | 45.6                  | 49.2                     | 39.7                    | 49.2                  | 43.0            | 7.4        | 18.6       | 17.5   |
| PPN758     | PPN760 | 01/18/88     | 35.3                   | 30.2                  | 33.2                     | 27.0                    | 33.3                  | 28.2            | 5.2        | 12.0       | 6.0    |
| PPN761     | PPN762 | 01/18/88     | 33.5                   | 28.2                  | 31.4                     | 24.1                    | 31.4                  | 26.4            | 5.0        | 11.9       | 5.5    |
| PPN759     | PPN763 | 01/18/88     | 36.2                   | 31.2                  | 34.3                     | 27.1                    | 34.3                  | 28.7            | 5.3        | 13.0       | 5.4    |
| PPN764     | PPN765 | 01/18/88     | 49.1                   | 41.0                  | 46.2                     | 34.3                    | 46.2                  | 39.2            | 6.9        | 16.9       | 15.0   |
| PPN766     | PPN767 | 01/18/88     | 34.1                   | 29.0                  | 32.8                     | 25.5                    | 33.0                  | 27.9            | 5.3        | 11.4       | 4.4    |
| PPN768     | PPN769 | 01/18/88     | 43.5                   | 35.3                  | 40.4                     | 30.4                    | 40.4                  | 33.4            | 6.2        | 16.9       | 9.1    |
| PPN770     | PPN771 | 01/18/88     | 36.4                   | 32.9                  | 34.0                     | 28.1                    | 34.0                  | 28.8            | 5.8        | 13.3       | 5.4    |
| PPN772     | PPN773 | 02/04/88     | 38.0                   | 35.1                  | 36.0                     | 29.8                    | 36.2                  | 30.5            | 6.1        | 13.1       | 6.1    |
| PPN774     | PPN775 | 02/04/88     | 69.1                   | 62.0                  | 64.2                     | 50.5                    | 64.9                  | 55.5            | —          | 25.2       | 40.0   |
| PPN776     | PPN777 | 02/04/88     | 56.0                   | 48.5                  | 51.8                     | 41.6                    | 52.0                  | 44.2            | 8.0        | 19.4       | 22.0   |
| PPN778     | PPN779 | 02/04/88     | 55.5                   | 50.1                  | 51.4                     | 42.7                    | 51.7                  | 43.1            | 8.0        | 19.9       | 21.0   |
| PPN780     | PPN781 | 02/04/88     | 73.2                   | 63.0                  | 64.5                     | 53.2                    | 65.0                  | 56.0            | 9.5        | 26.2       | 49.0   |
| PPN782     | PPN783 | 02/04/88     | 54.3                   | 45.7                  | 51.0                     | 40.0                    | 51.1                  | 43.5            | 7.2        | 20.2       | 21.0   |
| PPN785     | PPN786 | 02/18/88     | 39.9                   | 34.9                  | 36.3                     | 30.3                    | 36.5                  | 31.3            | 5.5        | 13.7       | 6.7    |
| PPN787     | PPN788 | 02/18/88     | 51.5                   | 43.3                  | 48.8                     | 38.0                    | 49.0                  | 41.0            | 6.6        | 17.0       | 16.0   |
| PPN789     | PPN790 | 02/18/88     | 36.2                   | 30.6                  | 32.8                     | 26.1                    | 33.0                  | 27.4            | 5.5        | 12.3       | 4.6    |
| PPN791     | PPN792 | 02/18/88     | 37.0                   | 33.0                  | 35.1                     | 28.6                    | 35.2                  | 30.4            | 5.4        | 12.3       | 5.7    |
| PPN793     | PPN794 | 02/18/88     | 56.0                   | 50.0                  | 52.0                     | 41.2                    | 52.0                  | 48.1            | 7.7        | 21.7       | 22.0   |
| PPN795     | PPN796 | 02/18/88     | 43.5                   | 37.0                  | 41.4                     | 31.3                    | 41.5                  | 35.4            | 6.1        | 14.9       | 8.9    |
| PPN803     | PPN804 | 02/18/88     | 42.1                   | 35.5                  | 38.4                     | 31.0                    | 38.5                  | 33.3            | 6.2        | 14.2       | 7.4    |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Body Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|-------------|
| PPN807     | PPN808 | 02/18/88     | 67.7                   | 60.0                  | 61.6                     | 48.6                    | 61.9                  | 54.0            | 9.8        | 26.3       | ---         |
| PPN811     | PPN812 | 03/01/88     | 30.1                   | 28.2                  | 28.5                     | 24.2                    | 28.8                  | 25.0            | 4.7        | 10.8       | 3.3         |
| PPN815     | PPN816 | 03/01/88     | 46.1                   | 38.3                  | 42.8                     | 33.3                    | 42.9                  | 35.4            | 6.7        | 16.7       | 12.0        |
| X101       | X102   | 03/17/88     | 49.0                   | 41.8                  | 45.9                     | 36.5                    | 46.1                  | 38.7            | 7.5        | 16.4       | 13.0        |
| PPJ455     | X107   | 03/17/88     | 36.2                   | 33.0                  | 34.2                     | 27.4                    | 34.2                  | 28.0            | 5.8        | 13.5       | 6.0         |
| X105       | X106   | 03/17/88     | 27.8                   | 25.1                  | 26.5                     | 21.8                    | 26.7                  | 22.0            | 4.2        | 9.5        | 2.3         |
| X103       | X104   | 03/17/88     | 34.0                   | 30.7                  | 32.2                     | 26.9                    | 32.2                  | 27.6            | 5.0        | 12.5       | 4.8         |
| X108       | X109   | 03/28/88     | 60.4                   | 51.0                  | 56.8                     | 44.9                    | 56.8                  | 48.4            | 7.1        | 22.4       | 28.0        |
| X114       | X115   | 03/28/88     | 32.5                   | 28.0                  | 31.0                     | 25.1                    | 31.2                  | 25.8            | 5.2        | 25.3       | 3.2         |
| X116       | X117   | 03/28/88     | 45.9                   | 38.8                  | 43.0                     | 32.9                    | 43.0                  | 37.0            | 6.3        | 16.0       | 12.0        |
| X120       | X121   | 03/28/88     | 38.9                   | 33.4                  | 36.2                     | 29.2                    | 36.4                  | 31.4            | 5.8        | 14.0       | 7.2         |
| X122       | X123   | 03/30/88     | 64.7                   | 53.0                  | 60.4                     | 45.2                    | 60.8                  | 51.2            | 8.1        | 25.1       | 35.0        |
| X126       | X127   | 03/30/88     | 52.6                   | 44.6                  | 49.3                     | 38.2                    | 49.7                  | 43.8            | 7.6        | 19.4       | 19.0        |
| X124       | X125   | 03/30/88     | 48.1                   | 39.7                  | 45.4                     | 34.4                    | 45.6                  | 38.5            | 6.8        | 18.7       | 15.0        |
| X130       | X131   | 03/31/88     | 42.9                   | 37.4                  | 40.8                     | 31.8                    | 41.2                  | 35.8            | 6.6        | 17.1       | 8.5         |
| X130       | X131   | 03/31/88     | 37.2                   | 32.1                  | 35.8                     | 28.8                    | 35.8                  | 30.7            | 5.6        | 13.5       | 6.1         |
| X132       | X133   | 03/31/88     | 50.7                   | 46.0                  | 47.9                     | 38.8                    | 48.1                  | 40.2            | 7.4        | 18.8       | 16.5        |
| X134       | X135   | 03/31/88     | 36.5                   | 32.0                  | 34.2                     | 28.3                    | 34.3                  | 28.6            | 5.9        | 13.6       | 5.3         |
| X136       | X138   | 03/31/88     | 51.7                   | 45.7                  | 48.7                     | 39.5                    | 49.1                  | 41.3            | 6.9        | 17.8       | 17.0        |
| X141       | X142   | 04/22/88     | 56.0                   | 45.5                  | 52.2                     | 38.6                    | 52.3                  | 44.3            | 7.3        | 20.2       | 20.0        |
| X143       | X144   | 04/22/88     | 46.3                   | 43.8                  | 44.1                     | 37.3                    | 44.1                  | 38.8            | 7.1        | 17.0       | 12.0        |
| X151       | X152   | 04/26/88     | 42.0                   | 34.9                  | 40.2                     | 31.3                    | 40.2                  | 34.0            | 6.2        | 15.0       | 34.0        |
| X155       | X156   | 04/28/88     | 34.2                   | 29.3                  | 32.2                     | 25.6                    | 32.2                  | 27.0            | 5.0        | 11.3       | 4.5         |
| X158       | X159   | 05/06/88     | 64.8                   | 58.0                  | 60.6                     | 48.2                    | 61.0                  | 50.8            | 8.8        | 24.5       | 36.0        |
| X137       | X157   | 05/06/88     | 51.3                   | 44.1                  | 47.8                     | 37.8                    | 47.8                  | 40.0            | 7.3        | 19.4       | 17.0        |
| X168       | X169   | 05/19/88     | 35.7                   | 29.4                  | 33.5                     | 26.6                    | 33.6                  | 28.2            | 5.3        | 12.0       | 4.8         |
| X183       | X184   | 05/27/88     | 50.8                   | 43.9                  | 47.3                     | 37.9                    | 47.3                  | 40.1            | 7.4        | 19.1       | 16.5        |
| X185       | X186   | 05/27/88     | 40.6                   | 37.5                  | 37.8                     | 32.6                    | 38.2                  | 30.9            | 6.4        | 14.5       | 9.5         |
| X191       | X192   | 05/27/88     | 51.7                   | 50.8                  | 47.7                     | 34.3                    | 47.8                  | 38.8            | 7.2        | 17.8       | ---         |
| X195       | X196   | 06/01/88     | 38.2                   | 33.4                  | 35.9                     | 29.4                    | 36.3                  | 30.5            | 5.6        | 12.9       | 5.6         |
| X197       | X198   | 06/02/88     | 29.4                   | 26.6                  | 28.2                     | 23.9                    | 28.6                  | 24.5            | 4.8        | 10.8       | 3.4         |

Table 14 continued

| Tag Number |      | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| X199       | X200 | 06/02/88     | 34.1                   | 29.3                  | 32.3                     | 25.5                    | 32.3                  | 26.7            | 5.2        | 12.3       | 4.3    |
| X201       | X202 | 06/03/88     | 33.1                   | 29.2                  | 31.4                     | 24.5                    | 31.3                  | 26.2            | 5.5        | 11.9       | 4.2    |
| X208       | X209 | 06/10/88     | 52.0                   | 44.0                  | 49.1                     | 37.3                    | 50.1                  | 41.8            | 6.8        | 18.7       | 18.5   |
| X212       | X213 | 06/14/88     | 37.0                   | 31.0                  | 34.5                     | 26.5                    | 34.8                  | 28.0            | 4.9        | 12.0       | 5.0    |
| X232       | X233 | 06/16/88     | 49.7                   | 42.5                  | 46.0                     | 35.1                    | 46.4                  | 39.7            | 7.2        | 19.2       | ----   |
| X228       | X229 | 06/16/88     | 75.6                   | 63.9                  | 71.9                     | 52.5                    | 72.4                  | 59.1            | 9.9        | 28.9       | 54.0   |
| X224       | X225 | 06/16/88     | 66.2                   | 55.7                  | 62.3                     | 46.7                    | 62.7                  | 51.5            | 8.9        | 23.4       | 35.0   |
| X222       | X223 | 06/16/88     | 35.9                   | 30.6                  | 33.9                     | 34.2                    | 34.2                  | 30.1            | 5.3        | 12.9       | 5.5    |
| X240       | X241 | 06/17/88     | 48.0                   | 40.5                  | 45.5                     | 35.7                    | 45.9                  | 40.2            | 6.4        | 17.9       | 14.0   |
| X235       | X236 | 06/17/88     | 35.0                   | 29.2                  | 34.1                     | 29.2                    | 32.2                  | 26.7            | 5.5        | 12.6       | 4.5    |
| X245       | X246 | 06/23/88     | 36.6                   | 31.5                  | 34.5                     | 27.9                    | 34.7                  | 28.6            | 5.9        | 12.4       | 5.0    |
| X247       | X248 | 06/23/88     | 59.5                   | 51.7                  | 55.4                     | 41.7                    | 55.4                  | 45.6            | 7.8        | 22.3       | 25.5   |
| X249       | X250 | 06/24/88     | 33.2                   | 28.0                  | 31.7                     | 24.9                    | 32.3                  | 27.4            | 5.3        | 11.8       | 4.5    |
| X251       | X252 | 06/24/88     | 28.5                   | 28.0                  | 27.2                     | 21.9                    | 27.2                  | 22.8            | 4.8        | 10.2       | 2.7    |
| X253       | X254 | 06/24/88     | 34.0                   | 29.8                  | 32.5                     | 26.2                    | 32.5                  | 26.7            | 5.5        | 12.0       | 4.6    |
| X259       | X260 | 06/28/88     | 58.0                   | 53.2                  | 54.5                     | 43.8                    | 54.9                  | —               | 8.1        | —          | 22.0   |
| X263       | X264 | 06/29/88     | 59.0                   | 49.2                  | 55.0                     | 42.8                    | 55.3                  | 47.3            | 7.9        | 20.1       | 24.5   |
| X261       | X262 | 06/29/88     | 50.2                   | 42.8                  | 47.1                     | 36.8                    | 47.2                  | 39.1            | 7.0        | 17.0       | 14.5   |
| X203       | X204 | 06/29/88     | 47.0                   | 40.3                  | 44.1                     | 35.2                    | 44.1                  | 37.0            | 6.8        | 17.8       | 13.5   |
| X268       | X269 | 06/29/88     | 36.8                   | 32.2                  | 34.8                     | 28.7                    | 34.8                  | 29.7            | 5.6        | 13.7       | 6.0    |
| X265       | X266 | 06/29/88     | 28.8                   | 24.8                  | 27.3                     | 21.7                    | 27.4                  | 23.6            | 4.6        | 10.5       | 2.7    |
| X278       | X279 | 06/30/88     | 70.2                   | 57.1                  | 64.9                     | 50.6                    | 66.2                  | 55.0            | 9.0        | 23.2       | 39.0   |
| X280       | X281 | 06/30/88     | 66.9                   | 60.0                  | 62.8                     | 49.3                    | 63.4                  | 53.2            | 9.3        | 23.3       | —      |
| X292       | X293 | 07/12/88     | 42.8                   | 37.4                  | 39.8                     | 32.1                    | 40.4                  | 35.0            | 6.5        | 15.3       | 10.0   |
| X294       | X295 | 07/15/88     | 40.0                   | 34.4                  | 38.3                     | 29.0                    | 38.3                  | 33.0            | 5.8        | 13.4       | —      |
| X297       | X298 | 07/19/88     | 30.9                   | 26.2                  | 29.5                     | 23.4                    | 29.7                  | 25.0            | 5.1        | 11.7       | 3.6    |
| X301       | X302 | 07/22/88     | 30.9                   | 28.0                  | 29.7                     | 24.8                    | 30.0                  | 25.8            | 5.2        | 11.4       | 3.8    |
| X303       | X304 | 07/22/88     | 25.8                   | 21.8                  | 24.3                     | 18.5                    | 24.4                  | 19.9            | 3.9        | 8.3        | 1.7    |
| X307       | X308 | 07/26/88     | 41.6                   | 35.1                  | 39.1                     | 30.0                    | 39.4                  | 32.7            | 5.3        | 14.1       | 7.2    |
| X315       | X316 | 07/28/88     | 38.1                   | 31.6                  | 35.7                     | 27.5                    | 35.8                  | 30.8            | 5.6        | 13.0       | 5.8    |
| X311       | X312 | 07/28/88     | 52.7                   | 44.5                  | 48.8                     | 38.0                    | 48.9                  | 39.2            | 7.8        | 17.6       | 15.0   |

Table 14 continued

| Tag Number |      | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| X309       | X310 | 07/28/88     | 46.5                   | 36.6                  | 44.3                     | 31.6                    | 44.5                  | 35.8            | 6.9        | 16.8       | 12.5   |
| X317       | X318 | 08/03/88     | 30.3                   | 25.3                  | 28.6                     | 22.3                    | 28.6                  | 23.3            | 4.8        | 10.4       | 3.1    |
| X128       | X129 | 08/05/88     | 44.2                   | 39.4                  | 42.0                     | 32.5                    | 42.4                  | 36.1            | 6.5        | 16.5       | 11.6   |
| X321       | X322 | 08/12/88     | 45.0                   | 39.2                  | 42.0                     | 34.0                    | 42.0                  | 36.2            | 7.0        | 16.5       | 11.5   |
| X319       | X320 | 08/12/88     | 35.5                   | 32.8                  | 33.5                     | 28.0                    | 33.5                  | 28.0            | 5.5        | 13.0       | 5.2    |
| X330       | X331 | 08/31/88     | 34.5                   | 29.5                  | 32.4                     | 25.9                    | 32.9                  | 28.3            | 5.3        | 12.7       | 4.7    |
| X332       | X333 | 08/31/88     | 38.5                   | 31.8                  | 36.0                     | 27.8                    | 36.1                  | 30.0            | 5.9        | 13.2       | 5.7    |
| X341       | X342 | 09/28/88     | 51.9                   | 46.0                  | 48.9                     | 38.8                    | 49.3                  | 43.8            | 7.9        | 19.6       | 17.5   |
| X345       | X346 | 11/16/88     | 51.0                   | 41.8                  | 47.7                     | 36.9                    | 47.8                  | 40.9            | 7.0        | 16.9       | 15.5   |
| X354       | X355 | 11/25/88     | 42.6                   | 36.5                  | 40.4                     | 31.2                    | 40.4                  | 34.0            | 6.7        | 14.6       | 8.2    |
| X358       | X359 | 11/30/88     | 35.6                   | 30.2                  | 33.8                     | 26.7                    | 34.0                  | 28.5            | 5.2        | 11.5       | 4.7    |
| X361       | X362 | 11/30/88     | 34.4                   | 28.6                  | 32.3                     | 25.6                    | 32.4                  | 27.0            | 5.4        | 12.2       | 4.5    |
| X363       | X364 | 11/30/88     | 56.7                   | 48.4                  | 53.3                     | 41.9                    | 53.5                  | 44.3            | 7.6        | 19.3       | 20.0   |
| X366       | X367 | 11/30/88     | 60.0                   | 53.2                  | 56.1                     | 46.0                    | 56.3                  | 52.0            | 8.0        | 22.2       | 25.0   |
| X368       | X369 | 11/30/88     | 42.2                   | 36.2                  | 40.0                     | 31.7                    | 40.2                  | 34.5            | 5.9        | 14.8       | 9.5    |
| X370       | X371 | 11/30/88     | 65.0                   | 56.2                  | 58.8                     | 44.8                    | 59.0                  | 51.7            | 9.3        | 21.5       | 28.0   |
| X372       | X373 | 11/30/88     | 34.0                   | 30.0                  | 31.9                     | 26.2                    | 32.0                  | 27.0            | 5.4        | 12.2       | 4.6    |
| X374       | X375 | 11/30/88     | 40.3                   | 34.5                  | 37.7                     | 30.1                    | 37.8                  | 31.7            | 6.3        | 13.8       | 6.6    |
| X365       | X376 | 12/09/88     | 38.2                   | 33.2                  | 35.9                     | 28.8                    | 36.3                  | 30.6            | 5.9        | 12.9       | 5.7    |
| X377       | X378 | 12/09/88     | 33.4                   | 30.0                  | 30.9                     | 25.1                    | 31.2                  | 25.3            | 5.1        | 11.3       | 3.9    |
| X379       | X380 | 12/09/88     | 29.7                   | 25.0                  | 28.6                     | 23.0                    | 28.6                  | 24.0            | 4.5        | 10.1       | 3.1    |
| X381       | X382 | 12/09/88     | 37.1                   | 32.7                  | 34.4                     | 29.2                    | 34.4                  | 31.0            | 6.4        | 14.1       | 6.4    |
| X389       |      | 12/09/88     | 40.1                   | 36.5                  | 38.2                     | 30.9                    | 38.2                  | 32.8            | 6.3        | 13.8       | 6.9    |
| X387       | X388 | 12/09/88     | 32.1                   | 27.3                  | 30.2                     | 24.1                    | 30.3                  | 26.1            | 4.8        | 11.2       | 3.6    |
| X385       | X386 | 12/09/88     | 67.2                   | 55.2                  | 61.9                     | 46.5                    | 62.3                  | 50.5            | 8.9        | 23.6       | 33.0   |
| BP501      | X398 | 01/16/89     | 33.4                   | 29.7                  | 31.2                     | 26.2                    | 31.3                  | 26.6            | 5.0        | 12.1       | 4.2    |
| BP502      | X399 | 01/16/89     | 47.6                   | 39.9                  | 44.9                     | 34.2                    | 45.0                  | 37.0            | 6.7        | 15.9       | 12.5   |
| BP503      | X400 | 01/16/89     | 35.9                   | 30.5                  | 33.5                     | 27.2                    | 33.6                  | 27.9            | 5.6        | 11.8       | 4.7    |
| BP505      | X703 | 01/16/89     | 43.2                   | 37.0                  | 40.2                     | 31.6                    | 40.3                  | 34.0            | 6.6        | 15.3       | 10.0   |
| BP506      | X704 | 01/16/89     | 74.0                   | 64.3                  | 68.8                     | 53.5                    | 69.2                  | 58.0            | 9.9        | 26.8       | 48.5   |
| BP504      | X701 | 01/16/89     | 44.5                   | 38.1                  | 42.4                     | 32.9                    | 43.0                  | 34.7            | 6.8        | 15.6       | 10.0   |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP521      | X702   | 01/16/89     | 32.6                   | 27.1                  | 31.1                     | 24.3                    | 31.2                  | 26.5            | 5.2        | 11.4       | 4.4    |
| BP508      | X705   | 01/16/89     | 33.1                   | 26.5                  | 31.0                     | 23.9                    | 31.1                  | 25.9            | 5.0        | 11.2       | 3.9    |
| BP511      | X708   | 01/31/89     | 44.2                   | 39.6                  | 42.3                     | 35.1                    | 42.7                  | 36.6            | 6.8        | 15.8       | 11.0   |
| BP516      | X710   | 01/31/89     | 35.1                   | 29.8                  | 33.3                     | 25.5                    | 33.4                  | 29.1            | 5.6        | 12.2       | 4.9    |
| BP515      | X709   | 01/31/89     | 51.0                   | 44.3                  | 48.2                     | 38.9                    | 48.6                  | 42.0            | 7.4        | 18.9       | 17.0   |
| X715       | X716   | 03/21/89     | 31.3                   | 27.6                  | 29.6                     | 23.7                    | 29.7                  | 25.4            | 5.3        | 11.9       | 3.9    |
| X717       | X718   | 03/21/89     | 44.2                   | 37.8                  | 41.5                     | 33.9                    | 41.5                  | 34.6            | 6.2        | 14.6       | 8.2    |
| BP517      | X711   | 03/21/89     | 69.8                   | 59.8                  | 64.4                     | 50.0                    | 64.5                  | 56.1            | 9.7        | 26.1       | 42.0   |
| BP519      | PPV430 | 03/21/89     | 37.4                   | 31.3                  | 35.1                     | 26.9                    | 35.1                  | 29.5            | 5.8        | 13.6       | 6.1    |
| X720       | X721   | 05/17/89     | 36.8                   | 30.0                  | 34.6                     | 26.0                    | 35.3                  | 29.5            | 5.3        | 13.1       | 5.7    |
| BP526      | X726   | 05/25/89     | 34.0                   | 30.4                  | 32.8                     | 26.2                    | 32.8                  | 27.8            | 5.4        | 12.5       | 5.2    |
| BP522      | X723   | 05/25/89     | 35.0                   | 28.8                  | 33.5                     | 25.0                    | 33.5                  | 28.0            | 5.0        | 12.1       | 4.5    |
| BP524      | X724   | 05/25/89     | 36.5                   | 30.9                  | 34.5                     | 27.2                    | 34.5                  | 29.4            | 6.0        | 12.5       | 5.4    |
| BP525      | X725   | 05/25/89     | 34.2                   | 28.5                  | 32.2                     | 25.5                    | 32.2                  | 27.2            | 5.5        | 12.4       | 4.9    |
| BP529      | X729   | 05/31/89     | 31.3                   | 26.4                  | 28.8                     | 22.4                    | 28.8                  | 24.5            | 5.0        | 11.1       | 3.2    |
| BP523      | X728   | 05/31/89     | 36.9                   | 33.5                  | 33.8                     | 28.2                    | 33.9                  | 29.9            | 5.2        | 14.0       | 5.8    |
| X733       | X735   | 06/14/89     | 37.0                   | 30.5                  | 35.3                     | 26.5                    | 35.3                  | 29.1            | 5.5        | 12.9       | 5.7    |
| BP531      | X732   | 06/14/89     | 44.7                   | 38.2                  | 41.2                     | 32.6                    | 41.6                  | 35.4            | 6.4        | 16.0       | 11.0   |
| BP535      | X737   | 06/16/89     | 42.3                   | 34.1                  | 38.1                     | 29.2                    | 38.6                  | 30.5            | 6.0        | 14.5       | 7.3    |
| BP533      | X736   | 06/16/89     | 34.8                   | 30.0                  | 33.0                     | 25.9                    | 33.2                  | 28.7            | 5.8        | 13.1       | 5.3    |
| BP546      | X753   | 07/14/89     | 29.5                   | 26.5                  | 28.8                     | 23.6                    | 28.8                  | 24.7            | 5.0        | 10.0       | 3.1    |
| BP553      | X759   | 07/20/89     | 45.2                   | 37.7                  | 43.4                     | 33.5                    | 44.0                  | 35.6            | 6.8        | 15.1       | 10.8   |
| BP549      | X755   | 07/20/89     | 42.7                   | 33.5                  | 40.0                     | 29.5                    | 40.1                  | 34.6            | 6.2        | 15.5       | 10.0   |
| BP551      | X757   | 07/20/89     | 45.1                   | 37.9                  | 43.1                     | 32.8                    | 43.3                  | 35.5            | 6.4        | 16.1       | 13.0   |
| BP550      | X756   | 07/20/89     | 35.8                   | 29.7                  | 34.7                     | 27.0                    | 35.0                  | 28.4            | 5.7        | 12.4       | 5.1    |
| BP552      | X758   | 07/20/89     | 38.6                   | 34.5                  | 36.2                     | 30.2                    | 36.3                  | 30.2            | 5.9        | 13.7       | 6.5    |
| BP554      | X760   | 07/24/89     | 54.5                   | 45.9                  | 51.3                     | 40.9                    | 51.9                  | 44.2            | 7.2        | 19.0       | 17.0   |
| BP555      | X761   | 07/24/89     | 32.3                   | 28.5                  | 30.6                     | 25.1                    | 30.6                  | 26.1            | 4.6        | 11.7       | 3.9    |
| BP556      | X762   | 07/24/89     | 35.6                   | 32.4                  | 32.8                     | 26.8                    | 33.3                  | 28.7            | 5.5        | 13.2       | 6.0    |
| BP557      | X763   | 07/27/89     | 36.8                   | 32.0                  | 35.2                     | 27.6                    | 35.6                  | 29.5            | 4.9        | 13.8       | 6.1    |
| BP558      | X764   | 07/27/89     | 31.7                   | 28.0                  | 29.4                     | 24.9                    | 30.0                  | 25.6            | 5.0        | 11.7       | 4.0    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP559      | X766  | 07/27/89     | 42.0                   | 35.9                  | 39.3                     | 31.0                    | 39.9                  | 34.4            | 6.0        | 14.5       | 7.8    |
| BP561      | X768  | 07/28/89     | 32.4                   | 27.8                  | 30.8                     | 24.5                    | 31.0                  | 25.3            | 5.2        | 11.4       | 4.2    |
| BP566      | X772  | 08/16/89     | 36.8                   | 31.5                  | 34.8                     | 27.0                    | 35.0                  | 29.9            | 5.0        | 13.2       | 6.0    |
| BP567      | X773  | 08/16/89     | 37.2                   | 30.4                  | 34.5                     | 26.9                    | 34.6                  | 28.7            | 5.0        | 12.0       | 5.5    |
| BP568      | X774  | 08/16/89     | 36.2                   | 29.1                  | 34.2                     | 24.9                    | 34.3                  | 29.3            | 5.2        | 12.8       | 5.3    |
| BP569      | X775  | 08/16/89     | 34.3                   | 28.3                  | 32.6                     | 25.8                    | 32.6                  | 27.3            | 5.6        | 11.8       | 4.2    |
| BP571      | X776  | 08/18/89     | 39.0                   | 34.0                  | 36.2                     | 30.5                    | 37.2                  | 30.8            | 5.1        | 13.9       | 6.6    |
| BP572      | X778  | 08/18/89     | 43.0                   | 37.8                  | 40.7                     | 32.4                    | 41.7                  | 35.8            | 6.1        | 15.9       | 9.8    |
| BP573      | X777  | 08/18/89     | 32.7                   | 30.0                  | 30.8                     | 26.1                    | 30.8                  | 27.0            | 4.8        | 11.4       | 4.7    |
| BP574      | X779  | 08/22/89     | 41.0                   | 37.1                  | 38.6                     | 31.0                    | 39.0                  | 33.8            | 5.9        | 15.2       | 8.2    |
| X780       |       | 08/22/89     | 42.1                   | 36.0                  | 40.2                     | 30.8                    | 40.7                  | 35.5            | 6.3        | 15.7       | 9.0    |
| BP587      | X792  | 09/07/89     | 35.9                   | 30.2                  | 33.8                     | 27.3                    | 34.2                  | 28.5            | 5.2        | 12.1       | 5.0    |
| BP586      | X791  | 09/07/89     | 37.2                   | 32.5                  | 35.2                     | 28.1                    | 35.8                  | 30.1            | 5.6        | 11.8       | 5.8    |
| BP584      | X790  | 09/07/89     | 36.4                   | 30.9                  | 34.2                     | 26.3                    | 34.3                  | 29.0            | 5.1        | 13.5       | 5.6    |
| BP582      | X789  | 09/07/89     | 34.0                   | 29.0                  | 32.1                     | 25.6                    | 32.5                  | 27.8            | 5.1        | 11.6       | 4.7    |
| BP581      | X788  | 09/07/89     | 46.6                   | 40.3                  | 43.9                     | 34.5                    | 44.8                  | 38.5            | 6.6        | 16.6       | 11.8   |
| BP580      | X786  | 09/07/89     | 71.4                   | 62.7                  | 66.8                     | 54.4                    | 67.8                  | 57.0            | 9.6        | 25.2       | 44.0   |
| BP579      | X785  | 09/07/89     | 34.1                   | 29.6                  | 31.5                     | 26.8                    | 32.3                  | 27.1            | 5.5        | 12.2       | 4.9    |
| BP578      | X784  | 09/07/89     | 35.2                   | 31.5                  | 33.1                     | 27.4                    | 33.3                  | 28.7            | 5.1        | 12.4       | 5.4    |
| BP577      | X783  | 09/07/89     | 57.3                   | 50.7                  | 53.2                     | 40.5                    | 54.7                  | 45.0            | 8.3        | 21.8       | 25.0   |
| BP595      | X799  | 11/01/89     | 66.1                   | 59.5                  | 63.5                     | 50.1                    | 63.8                  | 53.0            | 9.0        | 22.9       | 38.0   |
| BP596      | X800  | 11/01/89     | 36.7                   | 31.6                  | 35.1                     | 28.5                    | 35.4                  | 29.4            | 5.4        | 12.3       | 5.4    |
| BP597      | X1501 | 11/01/89     | 43.8                   | 36.6                  | 40.8                     | 31.4                    | 42.0                  | 34.7            | 6.1        | 14.9       | 8.9    |
| BP1404     | X1510 | 11/15/89     | 40.8                   | 34.6                  | 38.3                     | 31.0                    | 38.4                  | 32.9            | 4.9        | 13.1       | 7.1    |
| BP1403     | X1509 | 11/15/89     | 37.8                   | 32.3                  | 35.5                     | 28.4                    | 35.8                  | 29.5            | 6.5        | 12.8       | 6.1    |
| BP1401     | X1507 | 11/15/89     | 36.0                   | 30.5                  | 34.2                     | 28.1                    | 34.2                  | 28.8            | 6.2        | 13.6       | 5.2    |
| BP1405     | X1511 | 11/24/89     | 68.6                   | 57.2                  | 63.6                     | 48.4                    | 64.2                  | 52.5            | 8.1        | 23.0       | 36.0   |
| BP1407     | X1513 | 11/24/89     | 49.8                   | 44.8                  | 48.9                     | 38.2                    | 48.9                  | 41.9            | 7.0        | 18.0       | 16.0   |
| BP1409     | X1516 | 11/24/89     | 36.0                   | 31.8                  | 33.2                     | 26.1                    | 33.2                  | 29.2            | 5.0        | 13.2       | 5.3    |
| BP1418     | X1518 | 03/13/90     | 38.3                   | 30.9                  | 36.2                     | 28.0                    | 36.2                  | 30.1            | 5.8        | 11.6       | 4.9    |
| BP1419     | X1519 | 03/13/90     | 40.1                   | 34.9                  | 36.3                     | 29.4                    | 36.5                  | 30.6            | 5.5        | 13.3       | 6.3    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP1420     | X1520 | 03/13/90     | 42.3                   | 34.4                  | 38.7                     | 29.0                    | 39.0                  | 33.0            | 6.0        | 14.1       | 7.4    |
| BP1421     | X1521 | 03/13/90     | 39.7                   | 34.3                  | 37.1                     | 28.7                    | 37.1                  | 30.4            | 5.0        | 13.2       | 6.7    |
| BP1423     | X1523 | 03/16/90     | 31.4                   | 26.8                  | 29.2                     | 23.3                    | 29.2                  | 25.8            | 4.5        | 10.9       | 3.5    |
| BP1422     | X1522 | 03/16/90     | 33.0                   | 29.2                  | 30.5                     | 26.2                    | 30.8                  | 27.1            | 4.8        | 10.5       | 4.2    |
| BP1428     | X1527 | 05/14/90     | 37.6                   | 33.0                  | 35.4                     | 28.9                    | 35.4                  | 30.9            | 5.0        | 12.7       | 6.1    |
| BP1429     | X1528 | 05/14/90     | 38.4                   | 34.0                  | 36.0                     | 29.0                    | 36.3                  | 30.8            | 5.5        | 13.3       | 6.5    |
| BP1430     | X1529 | 05/14/90     | 35.5                   | 27.9                  | 33.1                     | 24.5                    | 33.1                  | 27.6            | 5.2        | 13.5       | 4.8    |
| BP1432     | X1531 | 05/15/90     | 34.8                   | 29.9                  | 33.4                     | 25.7                    | 34.0                  | 29.0            | 5.1        | 12.0       | 5.3    |
| BP1433     | X1533 | 05/17/90     | 35.6                   | 31.0                  | 33.0                     | 28.0                    | 33.1                  | 28.5            | 5.2        | 13.5       | 5.6    |
| BP1434     | X1534 | 05/18/90     | 43.2                   | 35.4                  | 41.2                     | 31.7                    | 41.6                  | 33.4            | 5.9        | 14.0       | 8.3    |
| BP1436     | X1536 | 05/18/90     | 38.7                   | 33.2                  | 36.2                     | 28.2                    | 36.7                  | 30.0            | 5.9        | 14.1       | 6.7    |
| BP1437     | X1537 | 05/18/90     | 41.7                   | 36.0                  | 39.1                     | 30.2                    | 39.3                  | 34.8            | 5.6        | 14.0       | 8.2    |
| BP1438     | X1538 | 05/18/90     | 37.3                   | 32.0                  | 34.0                     | 26.4                    | 34.0                  | 29.0            | 5.2        | 13.3       | 5.9    |
| BP1439     | X1539 | 05/24/90     | 35.7                   | 32.5                  | 33.8                     | 28.0                    | 34.1                  | 29.4            | 5.8        | 12.0       | 5.5    |
| BP1440     |       | 05/25/90     | 37.2                   | 33.5                  | 34.1                     | 28.0                    | 34.2                  | 29.0            | 5.7        | 13.4       | 5.8    |
| BP1443     | X1541 | 05/29/90     | 42.0                   | 36.6                  | 40.4                     | 33.0                    | 40.6                  | 34.5            | 6.2        | 14.2       | 8.4    |
| BP1444     | X1542 | 06/04/90     | 44.8                   | 38.5                  | 42.1                     | 33.7                    | 42.3                  | 34.8            | 6.0        | 15.3       | 10.2   |
| BP1445     | X1544 | 06/08/90     | 36.1                   | 31.2                  | 34.5                     | 28.0                    | 34.7                  | 30.0            | 5.4        | 13.2       | 5.8    |
| BP1451     | X1543 | 06/08/90     | 39.6                   | 34.5                  | 37.0                     | 28.8                    | 37.1                  | 32.0            | 5.7        | 14.1       | 7.2    |
| BP1448     | X1547 | 06/18/90     | 33.8                   | 29.6                  | 31.3                     | 27.1                    | 31.6                  | 26.0            | 5.7        | 12.3       | 4.5    |
| BP1450     | X1549 | 06/28/90     | 41.6                   | 35.0                  | 39.0                     | 30.0                    | 39.2                  | 33.2            | 6.1        | 15.0       | 7.8    |
| BP1449     | X1548 | 06/28/90     | 33.4                   | 27.9                  | 31.8                     | 24.7                    | 32.5                  | 27.0            | 5.1        | 12.3       | 4.8    |
| BP1457     | X1555 | 07/11/90     | 36.3                   | 32.6                  | 34.8                     | 28.5                    | 34.9                  | 29.1            | 6.0        | 13.5       | 6.3    |
| BP1458     | X1556 | 07/18/90     | 35.2                   | 29.9                  | 33.5                     | 26.3                    | 33.8                  | 28.6            | 5.6        | 12.6       | 5.3    |
| BP1460     | X1559 | 07/18/90     | 32.2                   | 26.7                  | 31.0                     | 23.6                    | 31.1                  | 26.9            | 5.1        | 11.4       | 4.0    |
| BP1461     | X1560 | 07/20/90     | 38.3                   | 31.6                  | 35.6                     | 27.1                    | 35.6                  | 29.5            | 6.3        | 14.8       | 6.9    |
| BP1462     | X1561 | 07/30/90     | 38.6                   | 31.9                  | 36.5                     | 29.2                    | 37.0                  | 31.0            | 12.6       | 6.1        | 6.3    |
| BP1477     | X1576 | 09/04/90     | 46.1                   | 36.2                  | 43.2                     | 31.3                    | 43.5                  | 37.1            | 7.0        | 17.1       | 11.0   |
| BP1476     | X1574 | 09/04/90     | 37.6                   | 33.2                  | 35.7                     | 28.7                    | 35.9                  | 30.4            | 5.9        | 13.4       | 6.2    |
| BP1480     | X1579 | 11/23/90     | 44.4                   | 38.0                  | 42.9                     | 33.7                    | 43.2                  | 37.8            | 7.2        | 17.9       | 12.4   |
| BP1479     | X1578 | 11/23/90     | 42.8                   | 35.7                  | 41.0                     | 31.4                    | 41.2                  | 33.4            | 6.5        | 15.1       | 8.7    |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Body Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|-------------|
| BP1484     | X1582  | 03/12/91     | 44.0                   | 38.1                  | 41.7                     | 33.7                    | 42.0                  | 35.5            | 6.6        | 14.5       | 9.1         |
| BP1486     | X1584  | 03/12/91     | 36.4                   | 32.2                  | 34.4                     | 28.3                    | 34.8                  | 29.5            | 5.6        | 13.2       | 5.5         |
| BP1487     | X1585  | 03/13/91     | 41.3                   | 34.9                  | 38.9                     | 29.4                    | 39.2                  | 33.9            | 6.5        | 15.0       | 8.1         |
| BP1489     | X1587  | 05/24/91     | 31.0                   | 26.9                  | 29.7                     | 23.6                    | 29.8                  | 25.2            | 5.2        | 12.6       | 3.9         |
| BP1490     | X1588  | 05/28/91     | 33.2                   | 38.3                  | 35.9                     | 27.9                    | 36.1                  | 30.6            | 5.7        | 14.3       | 6.3         |
| BP1492     | X1590  | 05/30/91     | 33.5                   | 29.6                  | 31.5                     | 25.2                    | 31.6                  | 26.9            | 5.3        | 13.4       | 4.6         |
| BBA812     | QQC618 | 06/07/91     | 39.3                   | 36.8                  | 37.7                     | 32.9                    | 37.9                  | 32.2            | 6.4        | 14.9       | 7.3         |
| BBA690     | X2203  | 06/07/91     | 33.8                   | 28.6                  | 32.3                     | 25.7                    | 32.5                  | 26.8            | 5.2        | 12.6       | 4.7         |
| BBA697     | X2211  | 06/20/91     | 35.4                   | 29.1                  | 33.2                     | 25.9                    | 33.3                  | 27.7            | 5.7        | 12.5       | 5.0         |
| BBA696     | X2210  | 06/20/91     | 37.8                   | 31.0                  | 35.6                     | 27.3                    | 35.8                  | 29.9            | 5.9        | 12.7       | 6.0         |
| BBA698     | X2212  | 06/27/91     | 40.6                   | 35.8                  | 37.4                     | 30.2                    | 37.6                  | 33.1            | 6.3        | 16.3       | 8.2         |
| BBA703     | X1527  | 06/28/91     | 42.5                   | 36.5                  | 40.7                     | 32.9                    | 40.9                  | 35.0            | 6.3        | 14.5       | 8.8         |
| BBA700     | X2218  | 06/28/91     | 29.9                   | 25.5                  | 28.7                     | 22.3                    | 28.7                  | 23.9            | 4.9        | 10.5       | 3.1         |
| BBA701     | X2219  | 06/28/91     | 48.5                   | 41.4                  | 45.6                     | 36.5                    | 45.8                  | 38.5            | 6.7        | 15.4       | 11.2        |
| BBA702     | X2215  | 06/28/91     | 59.4                   | 50.5                  | 56.1                     | 44.1                    | 56.8                  | 49.1            | 8.0        | 20.8       | 31.0        |
| BBA704     | X2216  | 06/28/91     | 33.1                   | 28.3                  | 30.9                     | 25.2                    | 31.0                  | 26.5            | 5.0        | 11.6       | 4.3         |
| BBA709     | X2223  | 07/09/91     | 29.5                   | 25.3                  | 27.9                     | 22.4                    | 27.9                  | 23.7            | 4.8        | 10.2       | 2.9         |
| BBA720     | X2232  | 08/07/91     | 46.0                   | 39.4                  | 43.6                     | 34.3                    | 43.9                  | 36.7            | 6.7        | 16.3       | 10.9        |
| BBA719     | X2233  | 08/07/91     | 52.0                   | 43.6                  | 49.5                     | 49.6                    | 49.6                  | 42.5            | 6.4        | 18.4       | 20.0        |
| BBA737     | X2240  | 10/17/91     | 42.0                   | 36.8                  | 39.9                     | 31.6                    | 40.1                  | 34.6            | 6.5        | 15.2       | 8.9         |
| BBA743     | X2241  | 10/17/91     | 39.4                   | 32.7                  | 37.4                     | 29.2                    | 37.7                  | 32.5            | 6.1        | 14.6       | 7.2         |
| BBA736     | X2239  | 10/17/91     | 49.5                   | 43.0                  | 46.2                     | 38.5                    | 46.5                  | 39.3            | 7.1        | 16.0       | 13.1        |
| BBA734     | X2238  | 10/17/91     | 51.3                   | 42.3                  | 48.4                     | 36.8                    | 48.6                  | 41.4            | 7.7        | 17.9       | 15.0        |
| BBA735     | X2237  | 10/17/91     | 38.1                   | 31.4                  | 36.0                     | 28.9                    | 36.2                  | 31.0            | 6.1        | 13.4       | 6.8         |
| BBA744     | X2243  | 11/29/91     | 36.4                   | 32.6                  | 34.0                     | 28.3                    | 34.0                  | 29.5            | 5.3        | 13.2       | 5.4         |
| BBA739     | X2242  | 11/29/91     | 35.5                   | 30.5                  | 33.8                     | 26.3                    | 33.9                  | 28.6            | 5.8        | 12.1       | 4.6         |
| BBA745     | X2244  | 11/29/91     | 40.4                   | 35.4                  | 38.1                     | 31.1                    | 38.2                  | 31.6            | 6.5        | 14.6       | 7.6         |
| BBA749     | X2245  | 11/29/91     | 39.7                   | 33.8                  | 37.4                     | 29.6                    | 37.5                  | 31.3            | 6.2        | 14.4       | 6.6         |
| X2277      |        | 11/29/91     | 47.9                   | 42.0                  | 45.5                     | 36.2                    | 45.8                  | 38.8            | 7.1        | 17.3       | 12.4        |
| BBA748     | X2246  | 11/29/91     | 46.9                   | 39.1                  | 43.7                     | 33.7                    | 43.9                  | 37.6            | 7.0        | 15.9       | 10.5        |
| BBA751     | X2249  | 11/29/91     | 53.5                   | 45.6                  | 49.5                     | 37.0                    | 50.1                  | 43.6            | 7.7        | 18.8       | 22.0        |

Table 14 continued

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BBA750 X2250  | 11/29/91     | 39.9            | 34.7           | 37.2            | 30.7           | 37.7            | 31.5            | 6.1        | 13.6       | 7.3    |
| BBA752 X2276  | 11/29/91     | 56.9            | 51.0           | 52.5            | 41.9           | 52.8            | 43.8            | 8.3        | 21.0       | 26.0   |
| BBA770 X2279  | 03/10/92     | 39.3            | 34.5           | 37.2            | 30.2           | 37.5            | 31.2            | 5.9        | 13.6       | 6.3    |
| BBA756 X2282  | 05/12/92     | 57.4            | 48.1           | 53.4            | 41.2           | 53.9            | 45.8            | 7.9        | 20.6       | 26.0   |
| BBA761 X2285  | 05/13/92     | 37.6            | 29.6           | 35.2            | 26.6           | 35.2            | 29.0            | 5.8        | 11.9       | 5.1    |
| BBA765 X2288  | 05/15/92     | 52.1            | 44.0           | 48.9            | 37.9           | 49.0            | 40.7            | 7.2        | 18.3       | 20.0   |
| BBA766 X2289  | 05/15/92     | 29.5            | 22.9           | 27.7            | 26.0           | 27.9            | 22.9            | 4.9        | 10.7       | 3.0    |
| BBA768 X2292  | 05/21/92     | 55.5            | 46.6           | 51.3            | 40.0           | 51.8            | 44.8            | 8.0        | 18.0       | 22.0   |
| BBA760 X2290  | 05/21/92     | 34.7            | 30.4           | 32.4            | 25.9           | 32.7            | 29.1            | 5.4        | 12.9       | 5.5    |
| BBA767 X2293  | 05/21/92     | 38.6            | 34.0           | 36.5            | 28.7           | 36.5            | 30.2            | 5.9        | 13.7       | 6.4    |
| BBA772 X2296  | 05/26/92     | 50.1            | 41.3           | 47.8            | 36.4           | 48.0            | 40.0            | 7.1        | 17.8       | 18.0   |
| BBA771 X2295  | 05/26/92     | 48.0            | 44.4           | 45.6            | 34.9           | 45.9            | 37.8            | 7.6        | 21.7       | 24.5   |
| X2297         | 05/29/92     | 46.1            | 40.0           | 43.3            | 34.7           | 43.0            | 37.2            | 6.6        | 15.0       | 10.3   |
| BBA776 X2299  | 06/02/92     | 37.6            | 31.0           | 35.1            | 27.5           | 35.1            | 30.4            | 5.6        | 13.5       | 6.3    |
| BP2506 BP2507 | 07/09/92     | 43.4            | 36.0           | 41.4            | 32.1           | 41.8            | 36.6            | 6.7        | 16.4       | 9.8    |
| BP2518 X4190  | 07/16/92     | 58.0            | 49.9           | 53.3            | 40.4           | 53.7            | 45.3            | 8.3        | 21.7       | 27.0   |
| BP2527 X4199  | 07/28/92     | 39.2            | 33.9           | 37.3            | 28.8           | 37.3            | 30.7            | 6.0        | 13.9       | —      |
| BP2535 X4332  | 08/06/92     | 50.7            | 43.7           | 47.1            | 36.8           | 47.2            | 39.3            | 7.6        | 19.0       | 14.1   |
| BP2537 X4334  | 08/11/92     | 35.0            | 29.6           | 33.4            | 26.6           | 33.6            | 27.9            | 5.4        | 12.4       | 4.9    |
| BP2540 X4338  | 08/21/92     | 50.1            | 42.0           | 47.7            | 35.3           | 48.0            | 39.5            | 6.8        | 17.8       | 13.0   |
| BP2546 X4344  | 11/13/92     | 48.9            | 40.9           | 46.5            | 34.8           | 46.8            | 39.2            | 7.3        | 18.2       | 19.0   |
| BP2543 X4341  | 11/13/92     | 56.9            | 49.3           | 53.7            | 43.0           | 54.1            | 45.9            | 8.1        | 19.9       | 25.0   |
| BP2544 X4342  | 11/13/92     | 49.6            | 43.4           | 46.6            | 37.4           | 46.7            | 40.3            | 7.2        | 18.6       | 20.0   |
| BP2545 X4343  | 11/13/92     | 34.3            | 28.7           | 32.3            | 25.2           | 32.4            | 27.5            | 5.7        | 11.4       | 4.2    |
| BP2542 X4340  | 11/13/92     | 40.7            | 36.6           | 39.3            | 32.0           | 39.6            | 32.7            | 6.2        | 14.4       | 7.4    |
| BP2551 X4350  | 11/24/92     | 60.5            | 50.2           | 55.4            | 42.9           | 55.5            | 44.6            | 7.5        | 20.3       | 20.4   |
| BP2549 X4346  | 11/24/92     | 40.6            | 36.2           | 38.7            | 31.3           | 38.9            | 32.3            | 6.6        | 14.4       | 7.7    |
| BP2552 X4347  | 11/24/92     | 48.8            | 43.4           | 46.1            | 36.7           | 46.1            | 38.9            | 7.2        | 16.3       | 12.9   |
| BP2556 X4357  | 12/04/92     | 40.6            | 35.8           | 38.3            | 30.7           | 38.6            | 33.5            | 6.5        | 13.8       | 7.5    |
| BP2555 X4355  | 12/04/92     | 46.9            | 40.8           | 44.1            | 34.7           | 44.2            | 38.6            | 6.8        | 17.0       | 12.4   |
| BP2554 X4356  | 12/04/92     | 47.7            | 41.4           | 44.2            | 34.9           | 44.7            | 39.2            | 7.0        | 17.4       | 17.0   |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP2553     | X4353 | 12/04/92     | 61.7                   | 52.4                  | 57.3                     | 43.3                    | 57.8                  | 50.3            | 8.1        | 23.0       | 32.0   |
| BP2562     | X4362 | 12/04/92     | 52.3                   | 45.4                  | 49.6                     | 39.9                    | 50.1                  | 43.4            | 7.8        | 19.0       | 23.0   |
| BP2561     | X4354 | 12/04/92     | 34.1                   | 29.5                  | 32.4                     | 26.2                    | 32.6                  | 27.2            | 5.3        | 11.9       | 4.3    |
| BP2560     | X4361 | 12/04/92     | 32.7                   | 28.0                  | 30.4                     | 24.5                    | 30.6                  | 26.5            | 5.0        | 11.1       | 3.6    |
| BP2559     | X4360 | 12/04/92     | 40.9                   | 33.6                  | 38.7                     | 30.3                    | 38.8                  | 32.9            | 6.2        | 14.0       | 7.3    |
| BP2558     | X4359 | 12/04/92     | 41.5                   | 39.0                  | 38.1                     | 33.3                    | 38.3                  | 33.7            | 6.3        | 13.7       | 7.1    |
| BP2557     | X4358 | 12/04/92     | 43.6                   | 37.1                  | 41.3                     | 33.5                    | 41.4                  | 35.8            | 6.7        | 15.2       | 9.5    |
| BP2566     | X4454 | 01/18/93     | 77.6                   | 68.5                  | 72.3                     | 56.2                    | 72.8                  | 60.5            | 11.0       | 27.3       | 57.0   |
| BP2565     | X4453 | 01/18/93     | 55.1                   | 49.0                  | 52.2                     | 40.7                    | 52.3                  | 43.2            | 7.6        | 19.9       | 24.0   |
| PB2567     | X4455 | 01/18/93     | 31.6                   | 26.9                  | 30.0                     | 24.3                    | 30.3                  | 26.2            | 5.1        | 12.1       | 4.3    |
| BP2564     | X4452 | 01/18/93     | 37.4                   | 31.3                  | 35.4                     | 27.5                    | 35.6                  | 29.3            | 5.8        | 12.9       | 5.6    |
| BP2576     | X4460 | 03/09/93     | 45.5                   | 38.5                  | 41.5                     | 33.0                    | 41.5                  | 35.2            | 6.3        | 15.5       | 9.1    |
| BP2568     | X4457 | 03/09/93     | 36.0                   | 29.0                  | 34.0                     | 25.3                    | 34.0                  | 28.8            | 5.4        | 13.5       | 5.2    |
| BP2569     | X4458 | 03/09/93     | 37.7                   | 32.3                  | 35.3                     | 28.8                    | 35.6                  | 29.4            | 5.8        | 13.1       | 6.0    |
| BP2573     | X4461 | 03/09/93     | 39.9                   | 33.9                  | 38.3                     | 30.1                    | 38.5                  | 31.7            | 6.4        | 14.6       | 7.3    |
| BP2571     | X4462 | 03/09/93     | 31.9                   | 28.0                  | 30.4                     | 24.6                    | 30.6                  | 25.4            | 5.1        | 11.7       | 3.7    |
| BP2572     | X4463 | 03/09/93     | 38.5                   | 33.1                  | 36.1                     | 29.2                    | 36.5                  | 31.7            | 6.0        | 12.9       | 6.0    |
| BP2575     | X4459 | 03/09/93     | 37.5                   | 31.5                  | 34.9                     | 28.1                    | 35.1                  | 28.9            | 5.9        | 13.6       | 5.6    |
| BP2574     | X4464 | 03/09/93     | 33.9                   | 29.9                  | 32.2                     | 26.3                    | 32.3                  | 27.2            | 5.5        | 12.3       | 4.6    |
| BP2577     | X2577 | 03/10/93     | 40.9                   | 34.9                  | 37.9                     | 29.6                    | 38.0                  | 32.6            | 6.2        | 14.6       | 7.1    |
| BP2579     | X4475 | 05/14/93     | 48.2                   | 41.9                  | 45.7                     | 36.7                    | 45.8                  | 37.6            | 7.2        | 17.5       | 11.5   |
| BP2580     | X4474 | 05/18/93     | 59.2                   | 50.4                  | 56.5                     | 42.8                    | 56.7                  | 47.2            | 7.7        | 20.4       | 27.0   |
| BP2582     | X4473 | 05/18/93     | 44.1                   | 37.3                  | 41.6                     | 32.3                    | 41.8                  | 36.1            | 6.6        | 16.1       | 9.5    |
| BP2583     | X4467 | 05/19/93     | 46.3                   | 38.6                  | 43.6                     | 32.6                    | 44.0                  | 36.7            | 6.3        | 16.9       | 10.1   |
| BP2584     | X4468 | 05/19/93     | 55.7                   | 49.8                  | 52.6                     | 42.1                    | 52.7                  | 44.7            | 7.4        | 19.7       | 25.0   |
| BP2587     | X4471 | 05/20/93     | 53.3                   | 45.8                  | 49.4                     | 39.1                    | 49.5                  | 42.6            | 7.6        | 20.1       | 17.0   |
| BP2589     | N2026 | 05/27/93     | 42.7                   | 37.4                  | 39.1                     | 31.1                    | 39.3                  | 32.4            | 6.1        | 15.7       | 7.8    |
| BP2590     | N2027 | 06/01/93     | 56.2                   | 48.3                  | 52.7                     | 39.3                    | 53.1                  | 44.9            | 7.8        | 20.3       | 24.0   |
| BP2601     | N2028 | 06/03/93     | 53.8                   | 47.7                  | 51.2                     | 40.1                    | 51.4                  | 44.1            | 7.7        | 19.1       | 24.0   |
| BP2602     | N2029 | 06/04/93     | 47.0                   | 39.5                  | 43.8                     | 34.5                    | 43.4                  | 35.7            | 7.1        | 16.1       | 10.9   |
| BP2603     | N2032 | 06/04/93     | 51.4                   | 46.6                  | 48.9                     | 40.1                    | 49.1                  | 40.8            | 8.0        | 19.6       | 16.3   |

Table 14 continued

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |      |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |      |
| BP2591     | N2031        | 06/04/93        | 53.5           | 47.9            | 51.0           | 40.1            | 51.3            | 43.9       | 7.5        | 19.5   | 18.2 |
| BP2604     | N2033        | 06/16/93        | 62.9           | 52.3            | 58.5           | 44.0            | 58.6            | 48.6       | 8.9        | 22.7   | 33.0 |
| BP2599     | N2035        | 06/18/93        | 76.0           | 66.1            | 72.4           | 56.9            | 73.1            | 61.5       | 10.6       | 27.7   | 60.0 |
| BP2593     | N2037        | 06/22/93        | 48.7           | 43.6            | 46.5           | 37.2            | 46.6            | 39.7       | 7.2        | 16.2   | 20.0 |
| BP2606     | N2043        | 06/25/93        | 42.3           | 37.4            | 40.5           | 32.0            | 40.6            | 33.3       | 6.6        | 15.4   | 8.7  |
| BP2607     | N2044        | 06/25/93        | 48.3           | 45.4            | 46.3           | 38.5            | 46.8            | 39.5       | 7.1        | 17.2   | 13.5 |
| BP2649     | -N2339       | 07/12/93        | 61.6           | 52.5            | 57.9           | 43.3            | 58.4            | 47.5       | 8.3        | 22.0   | 34.0 |
| BP2651     | N2341        | 07/14/93        | 34.2           | 28.9            | 32.6           | 26.1            | 32.8            | 27.6       | 5.6        | 13.1   | —    |
| BP2600     | N2342        | 07/15/93        | 43.0           | 37.0            | 40.5           | 31.7            | 40.5            | 34.8       | 6.4        | 16.5   | 9.2  |
| BP2669     | N2385        | 07/30/93        | 36.4           | 30.5            | 34.2           | 27.9            | 34.4            | 27.8       | 5.5        | 11.8   | 4.8  |
| BP2670     | N2386        | 07/30/93        | 38.0           | 31.8            | 37.3           | 29.0            | 37.6            | 30.3       | 5.8        | 11.9   | 5.6  |
| BP2672     | N2388        | 08/03/93        | 39.9           | 34.6            | 38.3           | 30.7            | 38.7            | 32.5       | 5.6        | 13.5   | 7.0  |
| BP2676     | N2393        | 08/03/93        | 48.2           | 40.0            | 46.2           | 35.7            | 46.5            | 40.0       | 7.1        | 16.6   | 11.6 |
| BP2675     | N2390        | 08/05/93        | 46.4           | 40.0            | 43.8           | 35.2            | 44.2            | 37.4       | 6.8        | 15.6   | 11.2 |
| BP2674     | N2391        | 08/05/93        | 32.7           | 28.2            | 31.3           | 24.6            | 31.5            | 27.7       | 5.4        | 12.3   | 4.5  |
| BP2680     | N2396        | 08/11/93        | 45.1           | 41.7            | 43.3           | 335.5           | 43.6            | 36.0       | 6.9        | 14.7   | 9.5  |
| BP2683     | N2398        | 08/12/93        | 65.7           | 61.5            | 61.3           | 49.8            | 61.5            | 51.0       | 9.0        | 23.8   | 40.0 |
| BP3126     | N3064        | 12/21/93        | 39.5           | 35.0            | 37.0           | 30.5            | 37.1            | 30.5       | 6.0        | 13.8   | 6.4  |
| BP3124     | N3110        | 12/21/93        | 43.5           | 37.0            | 41.2           | 31.5            | 41.3            | 34.3       | 6.8        | 15.7   | 9.2  |
| BP3120     | N3062        | 12/21/93        | 55.7           | 47.5            | 52.1           | 41.9            | 52.7            | 43.8       | 8.0        | 19.8   | 26.5 |
| BP3118     | N3049        | 12/21/93        | 45.2           | 38.6            | 42.4           | 34.0            | 42.6            | 37.0       | 6.9        | 16.0   | 10.5 |
| BP3125     | N3063        | 12/21/93        | 46.2           | 38.8            | 42.4           | 33.4            | 42.4            | 37.2       | 7.0        | 16.5   | 10.8 |
| BP3119     | N3050        | 12/21/93        | 42.1           | 34.9            | 40.0           | 30.5            | 40.2            | 33.9       | 6.4        | 15.2   | 8.5  |
| BP3117     | N3048        | 12/21/93        | 60.2           | 49.9            | 55.9           | 42.6            | 56.8            | 47.6       | 7.7        | 20.2   | 29.0 |
| BP3114     | N3047        | 12/21/93        | 35.5           | 30.1            | 33.8           | 27.0            | 33.8            | 28.3       | 5.2        | 12.5   | 5.0  |
| BP3113     | N3046        | 12/21/93        | 39.4           | 34.0            | 37.1           | 30.1            | 37.2            | 29.4       | 6.0        | 13.6   | 6.4  |
| BP3122     | N3108        | 12/21/93        | 42.2           | 34.4            | 39.3           | 30.7            | 39.3            | 32.8       | 6.2        | 14.7   | 8.2  |
| BP3121     | N3107        | 12/21/93        | 49.7           | 42.1            | 47.0           | 37.8            | 47.1            | 41.0       | 8.0        | 17.7   | 21.0 |
| BP3123     | N3109        | 12/21/93        | 49.9           | 43.7            | 47.2           | 36.9            | 47.5            | 39.6       | 7.3        | 17.8   | 22.5 |
| BP3136     | N3111        | 02/18/94        | 41.2           | 35.0            | 39.8           | 30.5            | 40.0            | 32.7       | 6.0        | 14.0   | 7.5  |
| BP3137     | N3112        | 02/18/94        | 64.0           | 57.6            | 61.2           | 49.6            | 61.9            | 55.8       | 9.1        | 24.5   | —    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP3135     | N3099 | 02/18/94     | 34.3                   | 29.0                  | 32.3                     | 34.9                    | 32.4                  | 28.2            | 5.3        | 12.3       | 5.6    |
| BP3134     | N3098 | 02/18/94     | 36.0                   | 29.4                  | 33.7                     | 26.0                    | 33.3                  | 27.9            | 6.0        | 12.3       | 4.8    |
| BP3148     | N3124 | 05/24/94     | 42.9                   | 36.5                  | 39.7                     | 31.2                    | 39.7                  | 33.1            | 6.1        | 15.4       | 9.4    |
| BP3151     | N3143 | 05/24/94     | 50.6                   | 43.1                  | 48.0                     | 36.9                    | 48.2                  | 41.3            | 7.1        | 17.6       | 14.9   |
| BP3157     | N3149 | 05/26/94     | 40.4                   | 35.7                  | 38.5                     | 30.9                    | 38.8                  | 31.4            | 6.0        | 14.1       | 6.9    |
| BP3158     | N3185 | 05/26/94     | 34.6                   | 30.0                  | 32.9                     | 27.3                    | 33.2                  | 27.7            | 5.9        | 12.4       | 5.0    |
| BP3162     | N3189 | 05/31/94     | 55.7                   | 48.8                  | 51.4                     | 40.8                    | 51.5                  | 46.8            | 7.9        | 19.1       | 25.0   |
| BP3168     | N3193 | 06/02/94     | 48.2                   | 41.2                  | 45.0                     | 36.0                    | 45.0                  | 38.3            | 6.9        | 17.9       | 12.8   |
| BP3167     | N3192 | 06/02/94     | 31.2                   | 26.4                  | 29.1                     | 24.2                    | 29.2                  | 24.7            | 4.9        | 10.6       | 3.1    |
| BP3169     | N3194 | 06/02/94     | 42.5                   | 38.0                  | 40.5                     | 32.8                    | 40.5                  | 34.6            | 6.5        | 15.0       | 8.5    |
| BP3171     | N4507 | 06/10/94     | 40.1                   | 26.5                  | 29.0                     | 23.9                    | 29.4                  | 24.5            | 4.8        | 11.0       | 3.3    |
| BP3175     | N3198 | 06/10/94     | 64.5                   | 54.4                  | 61.4                     | 46.6                    | 61.7                  | 53.7            | 8.7        | 23.0       | 35.7   |
| BP3176     | N4501 | 06/10/94     | 47.5                   | 40.9                  | 44.8                     | 34.8                    | 45.0                  | 38.7            | 6.8        | 18.5       | 20.0   |
| BP3179     | N4503 | 07/05/94     | 39.1                   | 36.8                  | 36.9                     | 30.4                    | 37.2                  | 30.2            | 6.0        | 14.5       | 6.8    |
| BP3180     | N4504 | 07/05/94     | 39.2                   | 33.8                  | 36.9                     | 30.3                    | 37.1                  | 31.0            | 6.0        | 14.5       | 6.9    |
| BP3183     | N4505 | 07/05/94     | 43.6                   | 39.1                  | 42.7                     | 35.6                    | 43.1                  | 35.2            | 6.3        | 15.6       | 10.3   |
| BP3196     | N5202 | 07/22/94     | 37.0                   | 31.2                  | 35.4                     | 28.4                    | 35.5                  | 29.2            | 5.9        | 12.9       | 6.7    |
| BP3206     | N5206 | 07/25/94     | 41.0                   | 36.1                  | 39.0                     | 31.3                    | 39.3                  | 33.0            | 6.2        | 13.8       | 7.2    |
| N5218      |       | 08/09/94     | 35.2                   | 31.9                  | 34.0                     | 27.7                    | 34.3                  | 28.7            | 5.7        | 11.1       | 4.4    |
| N5219      |       | 08/16/94     | 40.7                   | 34.8                  | 39.0                     | 29.7                    | 39.3                  | 33.1            | 6.7        | 13.5       | 7.3    |
| BP3210     | N5220 | 11/25/94     | 53.3                   | 45.6                  | 49.5                     | 38.9                    | 50.0                  | 42.2            | 7.1        | 18.8       | 20.2   |
| BP3213     | N5223 | 11/25/94     | 31.6                   | 25.2                  | 30.1                     | 23.0                    | 35.0                  | 35.0            | 5.1        | 11.3       | 3.5    |
| BP3214     | N5224 | 11/25/94     | 30.3                   | 26.4                  | 29.2                     | 23.3                    | 29.4                  | 23.6            | 5.0        | 10.9       | 3.2    |
| BP3215     | N5225 | 11/25/94     | 53.9                   | 48.4                  | 33.4                     | 27.0                    | 33.5                  | 43.4            | 5.5        | 13.1       | 20.4   |
| BP3212     | N5222 | 11/25/94     | 34.9                   | 29.5                  | 32.8                     | 26.6                    | 32.9                  | 28.0            | 5.7        | 13.0       | 4.7    |
| BP3208     | N5239 | 11/25/94     | 62.6                   | 54.2                  | 59.4                     | 44.6                    | 51.1                  | 51.1            | 8.0        | 21.8       | 30.2   |
| N5221      |       | 11/25/94     | 35.1                   | 30.0                  | 33.5                     | 27.0                    | 33.6                  | 29.0            | 5.6        | 12.8       | 5.4    |
| BP3260     | X6003 | 05/08/95     | 50.3                   | 43.7                  | 48.4                     | 37.3                    | 48.0                  | 39.4            | 7.4        | 16.9       | 20.0   |
| BP3261     | X6004 | 05/08/95     | 40.3                   | 38.8                  | 37.7                     | 32.8                    | 37.9                  | 32.4            | 6.3        | 14.9       | 7.7    |
| BP3262     | X6007 | 05/09/95     | 49.7                   | 40.8                  | 47.4                     | 36.3                    | 47.8                  | 39.8            | 7.1        | 17.7       | 19.0   |
| BP3263     | X6008 | 05/11/95     | 36.0                   | 31.4                  | 33.6                     | 27.3                    | 33.6                  | 29.0            | 5.9        | 13.7       | 5.5    |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP3265     | X6010  | 05/15/95     | 64.9                   | 54.8                  | 60.1                     | 47.4                    | 60.1                  | 52.7            | 7.8        | 20.9       | 34.0   |
| BP3266     | X6011  | 05/15/95     | 29.2                   | 25.1                  | 27.5                     | 22.0                    | 27.8                  | 24.0            | 5.2        | 11.6       | 2.9    |
| N5493      | X6015  | 05/16/95     | 31.2                   | 27.1                  | 29.7                     | 23.9                    | 30.1                  | 25.6            | 5.2        | 10.4       | 31.0   |
| BP3267     | X6006  | 05/16/95     | 51.9                   | 44.0                  | 49.9                     | 37.8                    | 50.0                  | 41.1            | 7.7        | 16.7       | 20.0   |
| BP3269     | X6013  | 05/16/95     | 59.1                   | 51.7                  | 53.6                     | 44.7                    | 54.2                  | 46.8            | 8.2        | 19.3       | 27.0   |
| BP3268     | X6012  | 05/16/95     | 60.5                   | 51.6                  | 56.1                     | 43.5                    | 56.5                  | 47.3            | 8.5        | 21.2       | 30.0   |
| BPE233     | QQJ274 | 05/16/95     | 30.6                   | 27.3                  | 29.1                     | 23.6                    | 29.1                  | 23.6            | 4.9        | 10.8       | 2.9    |
| BP3270     | X6014  | 05/16/95     | 40.9                   | 34.4                  | 39.1                     | 30.4                    | 39.1                  | 33.0            | 6.2        | 14.3       | 7.5    |
| BP3279     | X6018  | 05/22/95     | 39.2                   | 32.7                  | 35.5                     | 28.9                    | 35.8                  | 30.6            | 6.0        | 13.0       | 5.8    |
| BP3280     | X6019  | 05/22/95     | 35.5                   | 30.7                  | 33.7                     | 27.6                    | 33.9                  | 27.7            | 5.7        | 12.6       | 4.8    |
| BP3282     | X6020  | 05/22/95     | 44.6                   | 38.9                  | 42.8                     | 33.7                    | 36.1                  | 36.1            | 7.1        | 15.0       | 9.0    |
| BP3283     | X6021  | 05/26/95     | 38.4                   | 35.4                  | 36.3                     | 30.6                    | 36.4                  | 31.4            | 5.7        | 13.7       | 6.7    |
| BP3284     | X6022  | 05/30/95     | 30.6                   | 27.1                  | 28.9                     | 23.2                    | 29.2                  | 23.9            | 4.9        | 9.4        | 2.9    |
| BP3288     | N5271  | 06/06/95     | 42.5                   | 27.9                  | 40.3                     | 31.4                    | 40.6                  | 33.1            | 6.7        | 15.6       | 9.3    |
| BP3300     | X6023  | 06/06/95     | 35.1                   | 31.5                  | 33.9                     | 27.3                    | 34.0                  | 28.8            | 5.3        | 13.6       | 5.1    |
| BP3293     | X6034  | 06/06/95     | 36.0                   | 34.2                  | 34.2                     | 29.3                    | 34.3                  | 28.2            | 6.2        | 13.1       | 5.5    |
| BP3291     | X6024  | 06/06/95     | 38.2                   | 32.7                  | 36.3                     | 29.8                    | 36.8                  | 31.6            | 5.7        | 13.6       | 6.7    |
| BP3294     | X6036  | 06/08/95     | 62.0                   | 52.4                  | 57.8                     | 43.2                    | 58.3                  | 49.8            | 8.6        | 21.2       | 31.0   |
| BP3295     | X6037  | 06/08/95     | 34.7                   | 29.1                  | 33.4                     | 25.6                    | 33.4                  | 27.6            | 5.4        | 12.2       | 5.0    |
| BP3290     | X6035  | 06/08/95     | 43.6                   | 36.6                  | 41.1                     | 31.1                    | 41.1                  | 33.1            | 6.5        | 15.7       | 8.8    |
| BP5508     | X6040  | 06/15/95     | 34.5                   | 31.2                  | 33.0                     | 27.5                    | 33.2                  | 27.9            | 5.5        | 13.0       | 4.8    |
| BP5513     | X6041  | 06/15/95     | 38.5                   | 34.0                  | 36.9                     | 30.4                    | 37.1                  | 31.4            | 5.8        | 13.7       | 6.7    |
| BP5566     | X6082  | 06/18/95     | 34.7                   | 28.2                  | 33.5                     | 25.6                    | 33.7                  | 27.6            | 5.6        | 11.6       | 4.6    |
| BP5525     | X6059  | 06/20/95     | 39.5                   | 33.6                  | 37.7                     | 30.9                    | 37.9                  | 32.0            | 6.2        | 13.0       | 6.7    |
| BP5531     | N5488  | 06/26/95     | 57.1                   | 47.9                  | 53.7                     | 41.3                    | 54.0                  | 45.9            | 8.4        | 19.3       | 29.0   |
| BP5553     | X6033  | 07/06/95     | 45.3                   | 41.1                  | 43.1                     | 35.2                    | 43.3                  | 36.5            | 7.2        | 17.0       | 12.0   |
| BP5554     | X6060  | 07/07/95     | 32.9                   | 30.6                  | 31.8                     | 27.5                    | 31.8                  | 26.7            | 5.7        | 12.3       | 4.7    |
| BP5566     | X6082  | 07/18/95     | 34.7                   | 28.2                  | 33.5                     | 25.6                    | 33.7                  | 27.6            | 5.6        | 11.6       | 4.6    |
| BP5570     | X6086  | 07/25/95     | 42.3                   | 35.9                  | 39.9                     | 31.1                    | 39.9                  | 33.8            | 6.5        | 15.5       | 8.9    |
| BP5575     | X6087  | 07/31/95     | 33.3                   | 29.8                  | 32.3                     | 26.0                    | 32.6                  | 27.2            | 5.5        | 11.7       | 4.7    |
| BP5574     | X6088  | 07/31/95     | 52.4                   | 45.8                  | 49.9                     | 39.6                    | 49.9                  | 41.0            | 7.5        | 19.4       | 22.0   |

Table 14 continued

| Tag Number |        | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP5573     | X6089  | 07/31/95     | 45.2                   | 37.7                  | 42.6                     | 32.1                    | 42.7                  | 35.4            | 6.7        | 16.2       | 9.5    |
| BP5572     | X6091  | 08/04/95     | 34.0                   | 30.0                  | 33.1                     | 26.9                    | 33.3                  | 27.8            | 5.5        | 12.9       | 5.0    |
| BP5571     | X6090  | 08/04/95     | 31.7                   | 28.6                  | 30.9                     | 26.3                    | 31.2                  | 26.7            | 5.6        | 11.9       | 4.2    |
| BP5576     | X6068  | 08/11/95     | 40.0                   | 33.2                  | 38.4                     | 29.3                    | 38.6                  | 33.0            | 6.0        | 13.9       | 6.9    |
| BP5583     | X6093  | 08/15/95     | 43.8                   | 37.6                  | 41.6                     | 32.4                    | 41.6                  | 36.3            | 6.9        | 15.7       | 10.5   |
| BP5585     | X6094  | 08/15/95     | 59.6                   | 51.7                  | 54.3                     | 43.9                    | 54.8                  | 46.8            | 8.5        | 21.5       | 30.0   |
| BP5587     | X6096  | 09/11/95     | 53.3                   | 46.4                  | 49.5                     | 39.7                    | 49.7                  | 48.0            | 6.5        | 19.2       | 23.0   |
| BP5586     | X6095  | 09/11/95     | 34.7                   | 30.2                  | 32.7                     | 26.9                    | 32.8                  | 28.4            | 5.5        | 12.2       | 4.8    |
| BP5591     | X6099  | 09/22/95     | 58.9                   | 50.0                  | 53.0                     | 42.2                    | 53.2                  | 46.5            | 8.1        | —          | 28.0   |
| B BE181    | QQJ214 | 11/21/95     | 34.2                   | 30.4                  | 32.6                     | 26.7                    | 32.6                  | 27.7            | 5.6        | 12.5       | 5.1    |
| BP5600     | X6108  | 11/21/95     | 39.4                   | 34.9                  | 37.3                     | 31.1                    | 37.4                  | 31.2            | 6.0        | 13.9       | 6.5    |
| BP5599     | X6107  | 11/21/95     | 39.5                   | 34.4                  | 37.4                     | 29.2                    | 37.4                  | 30.7            | 6.1        | 14.2       | 6.7    |
| BP5602     | X6111  | 11/21/95     | 43.8                   | 37.1                  | 41.0                     | 33.3                    | 41.4                  | 34.0            | 6.2        | 13.9       | 8.2    |
| BP5603     | X6039  | 11/21/95     | 37.1                   | 30.4                  | 35.3                     | 26.2                    | 35.4                  | 29.5            | 5.9        | 13.2       | 5.7    |
| BP5604     | X6113  | 11/21/95     | 34.3                   | 33.4                  | 35.3                     | 29.3                    | 35.5                  | 30.5            | 5.9        | 13.3       | 6.6    |
| BP5605     | X6114  | 11/21/95     | 44.3                   | 37.4                  | 41.7                     | 33.6                    | 42.0                  | 36.2            | 6.5        | 14.7       | 9.3    |
| BP5607     | X6116  | 12/05/95     | 44.5                   | 37.3                  | 41.5                     | 32.9                    | 41.7                  | 35.6            | 6.8        | 16.5       | 9.9    |
| BP5606     | X6115  | 12/05/95     | 38.8                   | 32.2                  | 36.7                     | 27.8                    | 36.9                  | 30.8            | 6.9        | 13.8       | 6.3    |
| BP5609     | X6118  | 12/05/95     | 42.7                   | 37.7                  | 40.5                     | 32.8                    | 40.7                  | 34.2            | 6.1        | 15.4       | 8.9    |
| BP5611     | X6120  | 12/05/95     | 36.0                   | 31.3                  | 33.9                     | 27.5                    | 34.0                  | 28.2            | 5.6        | 13.0       | 5.4    |
| BP5608     | X6117  | 12/05/95     | 37.4                   | 31.9                  | 35.2                     | 28.4                    | 35.6                  | 28.3            | 5.6        | 13.3       | 5.9    |
| BP5617     | X6121  | 12/15/95     | 56.9                   | 48.9                  | 52.7                     | 41.5                    | 52.9                  | 45.9            | 8.2        | 21.7       | 27.0   |
| BP5618     | X6122  | 12/15/95     | 43.7                   | 35.8                  | 42.0                     | 31.1                    | 42.1                  | 33.3            | 6.4        | 14.7       | 8.7    |
| BP5619     | X6123  | 12/15/95     | 43.6                   | 35.5                  | 41.0                     | 31.1                    | 41.0                  | 33.6            | 6.5        | 16.2       | 9.1    |
| BP5620     | X6124  | 12/15/95     | 35.1                   | 29.8                  | 33.4                     | 27.4                    | 33.3                  | 27.3            | 5.6        | 11.9       | 5.0    |
| BP5621     | X6139  | 12/15/95     | 44.1                   | 37.5                  | 42.2                     | 34.0                    | 42.5                  | 35.2            | 6.4        | 15.7       | 9.9    |
| BP5622     | X6125  | 12/15/95     | 35.0                   | 29.4                  | 33.3                     | 25.6                    | 33.3                  | 26.8            | 5.0        | 11.9       | 4.5    |
| BP5623     | X6140  | 12/15/95     | 34.1                   | 29.0                  | 32.8                     | 26.0                    | 33.1                  | 27.1            | 5.6        | 12.0       | 4.6    |
| BP5624     | X6141  | 01/15/96     | 42.5                   | 39.5                  | 40.4                     | 35.4                    | 40.6                  | 34.0            | 6.2        | 13.7       | 8.1    |
| BP5630     | X6155  | 01/15/96     | 28.0                   | 23.6                  | 25.8                     | 20.2                    | 25.9                  | 21.5            | 4.4        | 9.4        | 2.1    |
| BP5636     | X6146  | 01/15/96     | 35.5                   | 28.4                  | 33.6                     | 26.0                    | 33.8                  | 28.1            | 5.1        | 12.4       | 5.0    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP5628     | X6149 | 01/15/96     | 60.9                   | 55.4                  | 56.5                     | 43.2                    | 56.6                  | 47.0            | 8.4        | 21.9       | 31.0   |
| BP5629     | X6156 | 01/15/96     | 53.1                   | 43.6                  | 50.0                     | 37.4                    | 50.0                  | 41.8            | 7.4        | 18.4       | 18.0   |
| BP5626     | X6145 | 01/15/96     | 33.4                   | 28.8                  | 32.0                     | 25.2                    | 32.3                  | 26.5            | 5.0        | 11.3       | 4.0    |
| BP5634     | X6144 | 01/15/96     | 33.1                   | 29.4                  | 31.4                     | 26.1                    | 31.7                  | 27.4            | 5.4        | 12.1       | 4.6    |
| BP5635     | X6147 | 01/15/96     | 30.4                   | 25.6                  | 29.4                     | 22.0                    | 29.5                  | 24.5            | 4.9        | 11.1       | 3.0    |
| BP5631     | X6158 | 01/15/96     | 62.5                   | 52.8                  | 58.2                     | 45.1                    | 59.3                  | 48.7            | 8.6        | 20.5       | 32.0   |
| BP5637     | X6143 | 01/15/96     | 36.5                   | 31.4                  | 34.7                     | 26.9                    | 34.9                  | 28.8            | 5.6        | 13.5       | 4.9    |
| BP5633     | X6157 | 01/15/96     | 62.9                   | 53.8                  | 57.4                     | 41.5                    | 58.0                  | 51.3            | 8.5        | 22.5       | 31.0   |
| BP5627     | X6148 | 01/15/96     | 45.2                   | 39.8                  | 42.9                     | 34.4                    | 43.1                  | 36.8            | 6.6        | 17.6       | 16.0   |
| BP5625     | X6142 | 01/15/96     | 35.8                   | 29.2                  | 34.5                     | 26.1                    | 34.9                  | 29.3            | 5.4        | 12.7       | 5.2    |
| BP5641     | X6181 | 01/30/96     | 45.6                   | 40.6                  | 42.7                     | 35.7                    | 42.9                  | 36.7            | 6.9        | 17.2       | 16.0   |
| BP5632     | X6177 | 01/30/96     | 51.6                   | 43.7                  | 48.4                     | 37.7                    | 48.7                  | 41.0            | 7.0        | 16.9       | —      |
| BP5639     | X6179 | 01/30/96     | 58.3                   | 48.4                  | 53.5                     | 41.3                    | 53.7                  | 45.4            | 7.4        | 19.2       | 26.0   |
| BP5640     | X6180 | 01/30/96     | 37.8                   | 31.6                  | 34.3                     | 27.7                    | 35.7                  | 30.1            | 6.0        | 13.3       | 5.8    |
| BP5638     | X6178 | 01/30/96     | 39.6                   | 31.4                  | 35.2                     | 29.4                    | 35.3                  | 29.6            | 6.4        | 12.2       | 5.5    |
| BP5642     | X6168 | 01/30/96     | 47.8                   | 43.2                  | 44.9                     | 37.0                    | 45.3                  | 39.9            | 7.0        | 17.2       | 17.0   |
| BP5643     | X6172 | 01/30/96     | 34.4                   | 29.6                  | 32.3                     | 25.1                    | 32.5                  | 29.1            | 5.5        | 12.3       | 4.9    |
| BP5644     | X6174 | 01/30/96     | 32.6                   | 28.9                  | 31.5                     | 25.7                    | 31.6                  | 27.3            | 5.9        | 10.2       | 3.8    |
| BP5645     | X6175 | 01/30/96     | 31.7                   | 26.4                  | 29.3                     | 23.2                    | 29.5                  | 45.3            | 4.9        | 10.0       | 3.2    |
| BP5646     | X6159 | 01/30/96     | 44.5                   | 38.7                  | 41.9                     | 33.8                    | 42.1                  | 37.4            | 6.6        | 16.3       | —      |
| BP5647     | X6160 | 01/30/96     | 35.7                   | 30.5                  | 33.6                     | 27.8                    | 33.7                  | 28.3            | 5.3        | 11.6       | 4.7    |
| BP5648     | X6162 | 01/30/96     | 39.5                   | 32.5                  | 37.3                     | 28.2                    | 37.8                  | 13.2            | 6.0        | 13.3       | 6.2    |
| BP5649     | X6166 | 01/30/96     | 62.9                   | 53.5                  | 58.0                     | 45.9                    | 58.4                  | 51.4            | 8.6        | 21.3       | 33.0   |
| BP5650     | X6163 | 01/30/96     | 35.8                   | 30.8                  | 33.6                     | 27.3                    | 33.3                  | 27.8            | 5.5        | 12.1       | 4.3    |
| BP5651     | X6170 | 01/30/96     | 39.7                   | 32.3                  | 37.2                     | 29.5                    | 37.3                  | 30.4            | 5.8        | 11.1       | 5.5    |
| BP5652     | X6173 | 01/30/96     | 37.4                   | 33.0                  | 35.2                     | 28.3                    | 35.2                  | 32.0            | 5.7        | 13.4       | 5.5    |
| BP5653     | X6176 | 01/30/96     | 31.7                   | 27.4                  | 30.1                     | 24.8                    | 30.1                  | 25.4            | 5.0        | 11.0       | 3.9    |
| BP5654     | X6167 | 01/30/96     | 41.1                   | 34.6                  | 38.7                     | 30.6                    | 31.5                  | 31.5            | 5.9        | 13.2       | 6.5    |
| BP5655     | X6171 | 01/30/96     | 52.1                   | 45.4                  | 48.1                     | 38.4                    | 48.4                  | 40.4            | 7.2        | 16.5       | 21.0   |
| BP5656     | X6169 | 01/30/96     | 35.0                   | 30.1                  | 33.1                     | 26.5                    | 33.1                  | 27.8            | 5.4        | 12.5       | 4.7    |
| BP5657     | X6165 | 01/30/96     | 38.2                   | 31.9                  | 36.0                     | 28.3                    | 36.4                  | 31.0            | 5.7        | 13.0       | 5.9    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP5658     | X6164 | 01/30/96     | 40.3                   | 35.5                  | 37.6                     | 34.0                    | 37.9                  | 31.1            | 6.1        | 14.5       | 7.0    |
| BP5659     | X6183 | 01/30/96     | 38.3                   | 32.4                  | 36.1                     | 27.8                    | 36.3                  | 28.5            | 5.6        | 13.3       | 5.7    |
| BP5660     | X6182 | 01/30/96     | 44.0                   | 37.6                  | 40.0                     | 31.5                    | 41.0                  | 34.2            | 6.3        | 14.4       | 8.8    |
| BP5661     | X6184 | 01/30/96     | 39.1                   | 34.2                  | 37.1                     | 29.4                    | 37.1                  | 31.8            | 6.2        | 14.1       | 7.0    |
| BP5662     | X6186 | 01/30/96     | 35.7                   | 32.2                  | 34.0                     | 28.9                    | 34.1                  | 29.3            | 5.4        | 11.4       | 5.0    |
| BP5663     | X6185 | 01/30/96     | 44.2                   | 39.2                  | 41.8                     | 33.1                    | 41.8                  | 34.4            | 6.7        | 15.9       | 17.0   |
| BP5664     | X6188 | 01/30/96     | 39.0                   | 33.1                  | 37.0                     | 29.1                    | 37.3                  | 30.2            | 6.1        | 13.9       | 6.6    |
| BP5665     | X6190 | 01/30/96     | 51.8                   | 47.5                  | 46.2                     | 39.0                    | 46.4                  | 40.6            | 7.5        | 20.2       | 21.0   |
| BP5666     | X6189 | 01/30/96     | 53.5                   | 40.0                  | 50.0                     | 47.6                    | 50.3                  | 42.9            | 7.0        | 20.3       | 25.0   |
| BP5667     | X6187 | 01/30/96     | 36.7                   | 31.2                  | 34.4                     | 27.3                    | 34.5                  | 30.3            | 5.7        | 12.4       | 5.1    |
| BP5668     | X6171 | 01/30/96     | 39.5                   | 35.3                  | 37.8                     | 31.4                    | 38.3                  | 32.5            | 5.9        | 13.3       | 7.1    |
| BP5669     | X6193 | 02/22/96     | 38.9                   | 32.1                  | 36.7                     | 28.3                    | 36.8                  | 30.7            | 5.8        | 14.3       | 6.8    |
| BP5670     | X6194 | 02/22/96     | 42.5                   | 37.9                  | 40.7                     | 32.8                    | 40.4                  | 34.5            | 6.3        | 16.5       | 9.2    |
| BP5671     | X6196 | 02/22/96     | 46.0                   | 40.6                  | 43.8                     | 35.5                    | 43.8                  | 36.9            | 6.9        | 16.0       | 10.0   |
| BP5672     | N6353 | 02/22/96     | 36.7                   | 30.5                  | 35.4                     | 27.5                    | 35.5                  | 29.4            | 5.7        | 13.0       | 5.4    |
| BP5673     | N6354 | 02/22/96     | 38.2                   | 33.0                  | 36.1                     | 29.0                    | 36.4                  | 31.1            | 5.8        | 13.4       | 6.3    |
| BP5675     | X6192 | 02/22/96     | 39.8                   | 34.7                  | 38.1                     | 30.5                    | 38.7                  | 32.0            | 6.2        | 13.0       | 6.3    |
| BP5677     | N6355 | 02/22/96     | 36.2                   | 32.0                  | 34.2                     | 27.4                    | 34.2                  | 29.0            | 5.8        | 13.5       | 5.8    |
| BP5678     | N6356 | 02/22/96     | 41.7                   | 34.9                  | 39.4                     | 31.5                    | 39.7                  | 32.3            | 6.4        | 15.2       | 8.0    |
| BP5679     | N6357 | 02/22/96     | 51.7                   | 48.4                  | 48.7                     | 40.3                    | 49.5                  | 42.0            | 7.5        | 19.7       | 23.0   |
| BP5680     | N6359 | 02/22/96     | 69.5                   | 59.7                  | 64.2                     | 49.6                    | 64.2                  | 56.4            | 8.3        | 25.8       | 46.0   |
| BP5681     | N6358 | 02/22/96     | 41.9                   | 35.1                  | 39.5                     | 31.6                    | 39.7                  | 33.0            | 6.1        | 14.6       | 7.7    |
| BP5682     | N6368 | 02/22/96     | 55.7                   | 46.0                  | 51.8                     | 37.7                    | 52.0                  | 43.8            | 7.9        | 20.1       | 26.0   |
| BP5683     | N6360 | 02/22/96     | 36.0                   | 28.6                  | 33.3                     | 26.0                    | 33.4                  | 27.5            | 5.5        | 12.4       | 4.3    |
| BP5684     | N6362 | 02/22/96     | 55.7                   | 49.0                  | 51.8                     | 40.7                    | 52.3                  | 43.9            | 7.3        | 19.9       | 25.0   |
| BP5685     | N6363 | 02/22/96     | 38.9                   | 33.0                  | 36.8                     | 29.5                    | 37.0                  | 31.0            | 5.9        | 12.5       | 6.0    |
| BP5686     | N6366 | 02/22/96     | 42.0                   | 37.2                  | 39.9                     | 31.6                    | 39.9                  | 32.1            | 6.6        | 15.8       | 9.0    |
| BP5687     | N6367 | 02/22/96     | 36.4                   | 32.2                  | 34.2                     | 28.3                    | 34.3                  | 28.3            | 5.4        | 12.9       | 5.1    |
| BP5688     | N6369 | 02/22/96     | 33.0                   | 29.4                  | 31.2                     | 24.5                    | 31.3                  | 26.0            | 5.4        | 12.1       | 4.2    |
| BP5689     | N6370 | 02/22/96     | 37.7                   | 32.4                  | 34.5                     | 27.8                    | 34.4                  | 32.0            | 5.1        | 12.8       | 5.8    |
| BP5690     | N6371 | 02/22/96     | 35.4                   | 30.5                  | 33.3                     | 26.6                    | 33.6                  | 28.2            | 5.6        | 13.7       | 5.4    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP5691     | N6372 | 02/22/96     | 40.2                   | 34.3                  | 37.9                     | 30.5                    | 37.9                  | 32.5            | 6.2        | 14.6       | 7.3    |
| BP5693     | N6375 | 02/22/96     | 38.0                   | 34.0                  | 36.4                     | 29.7                    | 36.8                  | 31.4            | 6.0        | 12.7       | 6.2    |
| BP5694     | X6197 | 02/22/96     | 41.8                   | 35.2                  | 39.2                     | 29.6                    | 38.9                  | 32.0            | 6.7        | 14.9       | 8.6    |
| BP5695     | X6198 | 02/22/96     | 44.0                   | 34.2                  | 37.5                     | 29.4                    | 37.7                  | 33.2            | 4.8        | 12.7       | 6.7    |
| BP5696     | N6401 | 02/22/96     | 39.9                   | 32.8                  | 36.5                     | 27.5                    | 36.7                  | 30.4            | 4.9        | 12.3       | 6.4    |
| BP5697     | X6200 | 02/22/96     | 32.9                   | 28.5                  | 30.9                     | 24.6                    | 31.9                  | 10.6            | 5.5        | 12.7       | 4.3    |
| BP5698     | N6402 | 02/22/96     | 32.1                   | 28.4                  | 30.8                     | 25.7                    | 31.1                  | 25.3            | 5.2        | 11.4       | 3.8    |
| BP5699     | N6403 | 02/22/96     | 34.2                   | 29.7                  | 31.0                     | 25.4                    | 31.2                  | 27.2            | 4.8        | 9.4        | 4.0    |
| BP5700     | N6404 | 02/22/96     | 38.7                   | 35.9                  | 36.4                     | 31.1                    | 36.2                  | 32.1            | 6.5        | 15.6       | 7.7    |
| N6406      | N6410 | 02/22/96     | 42.0                   | 35.1                  | 39.5                     | 31.1                    | 39.7                  | 32.6            | 5.4        | 13.4       | 7.7    |
| N6407      | N6412 | 02/22/96     | 38.3                   | 33.9                  | 36.5                     | 29.3                    | 36.4                  | 30.5            | 6.1        | 13.8       | 6.5    |
| N6408      | N6411 | 02/22/96     | 48.4                   | 40.3                  | 45.6                     | 34.6                    | 45.7                  | 38.8            | 7.0        | 17.8       | 18.0   |
| N6405      | N6409 | 02/22/96     | 41.5                   | 36.0                  | 37.8                     | 30.3                    | 38.2                  | 33.0            | 5.5        | 14.7       | 7.8    |
| BP4501     | X4701 | 03/13/96     | 38.8                   | 34.5                  | 36.5                     | 29.4                    | 36.7                  | 30.4            | 5.9        | 13.8       | 6.6    |
| BP4502     | X4702 | 03/13/96     | 35.5                   | 30.1                  | 33.2                     | 26.3                    | 33.3                  | 27.2            | 5.7        | 11.4       | 4.3    |
| BP4508     | X4703 | 03/13/96     | 47.3                   | 41.5                  | 44.9                     | 35.4                    | 45.3                  | 36.2            | 6.9        | 15.7       | 15.5   |
| BP4512     | X4726 | 03/13/96     | 35.8                   | 27.0                  | 29.5                     | 24.3                    | 29.8                  | 26.0            | 5.3        | 10.9       | 3.7    |
| BP4527     | X4727 | 03/13/96     | 33.2                   | 29.8                  | 31.6                     | 25.2                    | 31.6                  | 27.0            | 5.4        | 11.7       | 4.4    |
| BP4528     | X4728 | 03/13/96     | 38.8                   | 31.5                  | 37.8                     | 28.3                    | 37.9                  | 32.0            | 5.9        | 13.4       | 6.3    |
| BP4506     | X4729 | 03/13/96     | 27.3                   | 24.0                  | 25.9                     | 21.4                    | 26.0                  | 22.1            | 4.7        | 9.5        | 2.3    |
| BP4505     | X4705 | 03/13/96     | 39.0                   | 29.0                  | 32.3                     | 24.4                    | 32.5                  | 26.5            | 5.3        | 11.5       | 4.3    |
| BP4504     | X4706 | 03/13/96     | 48.4                   | 40.3                  | 45.9                     | 34.4                    | 49.9                  | 39.6            | 6.6        | 17.0       | 17.0   |
| BP4530     | X4730 | 03/13/96     | 68.3                   | 59.3                  | 64.3                     | 51.4                    | 64.5                  | 54.0            | 9.2        | 25.3       | 44.0   |
| BP4510     | X4708 | 03/13/96     | 45.7                   | 40.5                  | 42.4                     | 30.8                    | 42.5                  | 35.9            | 5.9        | 16.1       | 16.0   |
| BP4509     | X4709 | 03/13/96     | 40.0                   | 34.0                  | 37.4                     | 29.9                    | 37.8                  | 31.5            | 6.3        | 15.2       | 7.0    |
| BP4526     | X4710 | 03/13/96     | 35.4                   | 30.4                  | 33.5                     | 25.9                    | 33.6                  | 28.3            | 5.8        | 12.2       | 4.6    |
| BP4503     | X4704 | 03/13/96     | 44.4                   | 39.5                  | —                        | 34.0                    | —                     | 34.5            | 7.0        | 15.5       | 16.0   |
| BP4533     | X4732 | 03/14/96     | 68.0                   | 60.5                  | 62.8                     | 49.3                    | 63.1                  | 53.9            | 10.0       | 24.1       | 40.0   |
| BP4534     | X4733 | 03/14/96     | 76.8                   | 66.5                  | 71.3                     | 54.3                    | 71.9                  | 58.8            | 9.6        | 26.1       | —      |
| BP4513     | X4712 | 03/14/96     | 38.6                   | 34.9                  | 36.5                     | 30.2                    | 36.7                  | 32.4            | 6.0        | 14.5       | 6.5    |
| BP4514     | X4713 | 03/14/96     | 35.6                   | 30.6                  | 34.4                     | 26.6                    | 34.7                  | 28.8            | 5.8        | 11.9       | 5.0    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP4517     | X4716 | 03/14/96     | 36.4                   | 33.6                  | 35.8                     | 29.5                    | 35.8                  | 29.7            | 6.3        | 13.8       | 5.9    |
| BP4541     | X4741 | 03/14/96     | 36.0                   | 31.8                  | 34.8                     | 28.0                    | 35.0                  | 29.6            | 5.7        | 12.2       | 5.3    |
| BP4516     | X4715 | 03/14/96     | 32.9                   | 29.1                  | 32.0                     | 25.2                    | 32.3                  | 26.4            | 4.9        | 10.9       | 4.2    |
| BP4518     | X4717 | 03/14/96     | 32.1                   | 26.6                  | 30.6                     | 23.9                    | 30.7                  | 26.5            | 5.3        | 10.7       | 3.4    |
| BP4519     | X4718 | 03/14/96     | 43.3                   | 36.0                  | 41.5                     | 32.8                    | 41.5                  | 35.3            | 6.6        | 15.4       | 14.0   |
| BP4520     | X4719 | 03/14/96     | 40.4                   | 35.0                  | 38.2                     | 31.0                    | 38.8                  | 32.3            | 6.2        | 14.1       | 12.0   |
| BP4521     | X4720 | 03/14/96     | 34.2                   | 28.7                  | 32.6                     | 25.3                    | 32.7                  | 26.8            | 5.7        | 11.4       | 4.2    |
| BP4532     | X4721 | 03/14/96     | 59.1                   | 51.2                  | 53.9                     | 42.7                    | 54.2                  | 44.6            | 8.2        | 15.0       | 27.0   |
| BP4523     | X4722 | 03/14/96     | 42.2                   | 34.4                  | 40.2                     | 29.3                    | 40.5                  | 34.6            | 6.3        | 15.3       | 8.5    |
| BP4524     | X4723 | 03/14/96     | 33.0                   | 29.0                  | 31.1                     | 24.7                    | 31.3                  | 25.5            | 5.5        | 11.9       | 3.8    |
| BP4525     | X4724 | 03/14/96     | 44.0                   | 36.8                  | 41.2                     | 32.3                    | 41.4                  | 35.9            | 6.6        | 16.5       | 14.5   |
| BP4522     | X4725 | 03/14/96     | 27.1                   | 24.7                  | 25.9                     | 21.7                    | 26.1                  | 22.4            | 11.4       | 9.6        | 2.3    |
| BP4529     | X4735 | 03/14/96     | 37.8                   | 32.3                  | 36.2                     | 28.5                    | 36.2                  | 32.1            | 6.2        | 14.3       | 6.7    |
| BP4538     | X4736 | 03/14/96     | 37.3                   | 32.4                  | 35.0                     | 27.9                    | 35.0                  | 29.5            | 6.1        | 14.9       | 6.2    |
| BP4536     | X4737 | 03/14/96     | 37.6                   | 31.4                  | 36.4                     | 28.8                    | 36.4                  | 30.7            | 5.9        | 12.7       | 5.5    |
| BP4537     | X4738 | 03/14/96     | 36.5                   | 30.7                  | 35.0                     | 27.4                    | 35.1                  | 29.0            | 5.6        | 12.5       | 5.5    |
| BP4540     | X4739 | 03/14/96     | 37.9                   | 32.5                  | 36.3                     | 29.6                    | 36.7                  | 30.6            | 5.6        | 12.5       | 5.8    |
| BP4539     | X4740 | 03/14/96     | 33.7                   | 29.1                  | 31.6                     | 26.1                    | 31.7                  | 27.8            | 5.3        | 11.9       | 4.4    |
| BP4542     | X4742 | 03/14/96     | 51.9                   | 44.0                  | 48.3                     | 38.5                    | 48.7                  | 42.1            | 6.4        | 16.3       | 19.0   |
| BP4543     | X4743 | 03/14/96     | 40.4                   | 35.0                  | 37.6                     | 30.0                    | 37.9                  | 32.3            | 5.1        | 13.4       | 7.4    |
| BP4544     | X4744 | 03/14/96     | 45.3                   | 40.0                  | 42.1                     | 33.7                    | 42.3                  | 35.4            | 6.0        | 15.9       | 10.6   |
| BP4576     | X4776 | 03/15/96     | 38.4                   | 32.4                  | 36.7                     | 28.1                    | 36.7                  | 30.8            | 6.1        | 12.9       | 6.0    |
| BP4545     | X4745 | 03/15/96     | 65.2                   | 57.7                  | 60.9                     | 48.4                    | 60.9                  | 52.5            | 9.0        | 22.7       | 35.0   |
| BP4546     | X4746 | 03/15/96     | 32.5                   | 26.6                  | 31.2                     | 24.1                    | 31.4                  | 26.4            | 5.5        | 11.6       | 3.8    |
| BP4547     | X4747 | 03/15/96     | 34.4                   | 28.8                  | 32.9                     | 25.0                    | 33.2                  | 27.5            | 5.9        | 12.0       | 4.3    |
| BP4548     | X4748 | 03/15/96     | 50.3                   | 41.5                  | 48.0                     | 36.5                    | 48.4                  | 40.5            | 7.3        | 18.4       | 20.0   |
| BP4549     | X4749 | 03/15/96     | 37.7                   | 30.8                  | 35.7                     | 27.3                    | 36.0                  | 29.9            | 5.7        | 12.8       | 5.6    |
| BP4577     | X4777 | 03/15/96     | 41.9                   | 36.8                  | 38.9                     | 32.0                    | 39.6                  | 33.4            | 6.1        | 14.0       | 6.9    |
| BP4578     | X4778 | 03/15/96     | 39.1                   | 31.8                  | 36.9                     | 27.5                    | 37.1                  | 31.1            | 5.8        | 13.5       | 5.9    |
| BP4551     | X4751 | 03/15/96     | 41.9                   | 37.3                  | 40.1                     | 33.1                    | 40.1                  | 32.5            | 6.4        | 15.5       | 8.2    |
| BP4579     | X4779 | 03/15/96     | 52.0                   | 42.2                  | 48.9                     | 36.9                    | 49.2                  | 40.9            | 7.4        | 17.2       | 19.0   |

Table 14 continued

| Tag Number   | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|--------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|              |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BP4561 X4761 | 03/15/96     | 42.2            | 34.9           | 40.5            | 30.8           | 40.5            | 34.9            | 6.4        | 15.4       | 8.8    |
| BP4580 X4780 | 03/15/96     | 37.7            | 32.5           | 36.2            | 28.3           | 36.2            | 31.0            | 6.0        | 14.2       | 6.1    |
| BP4553 X4753 | 03/15/96     | 32.6            | 27.5           | 30.4            | 23.7           | 30.8            | 26.7            | 5.2        | 11.6       | 3.8    |
| BP4554 X4754 | 03/15/96     | 40.8            | 35.9           | 38.6            | 30.9           | 38.7            | 32.9            | 6.3        | 15.5       | 7.7    |
| BP4555 X4755 | 03/15/96     | 28.5            | 22.1           | 26.4            | 20.1           | 26.6            | 22.4            | 4.5        | 10.0       | 2.6    |
| BP4550 X4750 | 03/15/96     | 31.8            | 29.5           | 31.3            | 25.8           | 31.5            | 26.6            | 5.5        | 11.7       | 3.9    |
| BP4560 X4760 | 03/15/96     | 41.7            | 43.0           | 48.4            | 37.9           | 48.6            | 41.9            | 6.7        | 17.2       | 22.0   |
| BP4556 X4756 | 03/15/96     | 48.0            | 40.8           | 46.4            | 34.4           | 46.5            | 39.7            | 6.9        | 17.8       | 19.5   |
| BP4552 X4752 | 03/15/96     | 58.5            | 49.2           | 53.7            | 41.9           | 53.4            | 45.1            | 7.0        | 20.0       | 24.0   |
| BP4557 X4757 | 03/15/96     | 39.9            | 34.0           | 36.4            | 27.9           | 36.4            | 30.8            | 6.1        | 15.9       | 7.0    |
| BP4558 X4758 | 03/15/96     | 38.9            | 33.8           | 36.8            | 29.1           | 36.9            | 31.1            | 5.9        | 11.1       | 6.6    |
| BP4581 X4781 | 03/15/96     | 37.1            | 33.8           | 35.7            | 29.4           | 35.9            | 29.9            | 6.0        | 13.7       | 6.2    |
| BP4559 X4759 | 03/15/96     | 32.5            | 28.8           | 30.8            | 24.3           | 30.9            | 26.8            | 5.2        | 12.7       | 4.3    |
| BP4562 X4762 | 03/15/96     | 64.3            | 54.6           | 60.3            | 44.9           | 61.1            | 50.7            | 8.7        | 20.3       | 33.0   |
| BP4563 X4763 | 03/15/96     | 42.1            | 36.5           | 39.8            | 31.1           | 40.0            | 34.0            | 6.3        | 15.2       | 8.4    |
| BP4564 X4764 | 03/15/96     | 31.8            | 29.0           | 30.3            | 24.7           | 30.5            | 27.0            | 5.5        | 12.2       | 4.3    |
| BP4582 X4782 | 04/29/96     | 40.3            | 33.9           | 38.6            | 30.2           | 38.8            | 32.8            | 6.1        | 15.8       | 8.5    |
| BP4583 X4783 | 04/29/96     | 35.3            | 28.6           | 34.1            | 26.7           | 34.3            | 27.3            | 5.5        | 12.3       | 5.3    |
| BP4584 X4784 | 04/29/96     | 43.2            | 36.6           | 41.7            | 32.3           | 41.7            | 34.8            | 6.4        | 15.5       | 9.0    |
| BP4565 X4788 | 04/29/96     | 41.1            | 33.7           | 38.7            | 30.0           | 39.0            | 32.5            | 6.2        | 14.3       | 7.8    |
| BP4585 X4785 | 04/29/96     | 36.0            | 31.1           | 44.4            | 27.6           | 44.8            | 29.6            | 5.6        | 12.6       | 5.2    |
| BP4586 X4786 | 04/29/96     | 35.8            | 30.8           | 33.6            | 27.3           | 33.7            | 27.8            | 5.6        | 13.1       | 5.4    |
| BP4587 X4787 | 04/29/96     | 37.3            | 33.4           | 36.0            | 29.8           | 36.2            | 30.5            | 5.9        | 13.9       | 6.6    |
| BP4566 X4766 | 05/13/96     | 38.0            | 32.2           | 35.4            | 27.3           | 35.8            | 30.6            | 5.9        | 14.4       | 6.3    |
| BP4567 X4767 | 05/13/96     | 34.6            | 29.1           | 32.8            | 25.2           | 32.9            | 28.2            | 5.4        | 13.1       | 4.6    |
| BP4568 X4797 | 05/13/96     | 53.6            | 47.1           | 50.2            | 41.2           | 50.8            | 43.5            | 7.3        | 18.0       | 21.0   |
| BP4569 X4769 | 05/13/96     | 43.0            | 35.2           | 40.7            | 30.7           | 40.7            | 34.2            | 6.0        | 16.0       | 9.0    |
| BP4570 X4770 | 05/13/96     | 32.6            | 27.6           | 31.0            | 23.8           | 31.2            | 27.0            | 4.9        | 11.7       | 3.6    |
| BP4571 X4771 | 05/13/96     | 31.7            | 27.7           | 29.8            | 24.5           | 29.8            | 26.5            | 5.4        | 11.7       | 3.6    |
| BP4572 X4772 | 05/13/96     | 34.3            | 28.8           | 32.5            | 24.9           | 32.6            | 27.8            | 5.4        | 11.9       | 4.5    |
| BP4573 X4773 | 05/13/96     | 33.8            | 27.7           | 32.1            | 24.9           | 32.2            | 26.8            | 5.3        | 10.8       | 4.2    |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP4574     | X4774 | 05/13/96     | 35.0                   | 29.2                  | 33.1                     | 25.6                    | 33.2                  | 26.7            | 5.5        | 12.6       | 4.8    |
| BP4575     | X4775 | 05/13/96     | 49.9                   | 44.0                  | 47.1                     | 37.0                    | 47.3                  | 41.0            | 7.1        | 17.9       | 21.0   |
| BP4589     | X4793 | 05/13/96     | 36.5                   | 31.4                  | 34.2                     | 26.9                    | 34.2                  | 27.8            | 5.7        | 12.2       | 4.9    |
| BP4590     | X4790 | 05/13/96     | 37.0                   | 32.4                  | 35.1                     | 27.5                    | 35.2                  | 29.2            | 6.1        | 13.4       | 6.1    |
| BP4571     | X4791 | 05/13/96     | 26.8                   | 22.6                  | 25.3                     | 19.7                    | 25.5                  | 21.3            | 4.8        | 9.0        | 2.1    |
| BP4592     | X4792 | 05/13/96     | 39.6                   | 36.0                  | 37.3                     | 31.4                    | 37.3                  | 31.4            | 4.2        | 6.0        | 6.8    |
| BP4593     | X4789 | 05/13/96     | 46.5                   | 39.9                  | 43.8                     | 34.5                    | 44.0                  | 37.2            | 6.6        | 16.5       | 13.0   |
| BP4594     | X4794 | 05/13/96     | 37.5                   | 31.3                  | 35.2                     | 26.9                    | 35.3                  | 29.7            | 5.6        | 13.1       | 5.3    |
| BP4595     | X4795 | 05/13/96     | 50.8                   | 42.0                  | 47.3                     | 25.8                    | 47.3                  | 39.0            | 7.1        | 17.7       | 16.5   |
| BP4597     | X4768 | 05/13/96     | 53.5                   | 46.6                  | 50.4                     | 39.4                    | 50.4                  | 42.5            | 7.5        | 20.2       | 22.0   |
| BP4598     | X4798 | 05/13/96     | 30.6                   | 25.5                  | 28.5                     | 22.7                    | 28.7                  | 25.1            | 5.1        | 10.0       | 3.1    |
| BP4599     | X4799 | 05/13/96     | 33.8                   | 30.5                  | 32.2                     | 26.2                    | 32.3                  | 28.3            | 5.2        | 11.3       | 4.4    |
| BP4600     | X4800 | 05/13/96     | 47.2                   | 41.6                  | 45.3                     | 35.6                    | 45.3                  | 37.3            | 7.2        | 16.3       | 15.5   |
| BP6602     | X4802 | 05/15/96     | 35.6                   | 31.6                  | 32.3                     | 28.3                    | 32.6                  | 29.3            | 4.0        | 12.6       | 5.1    |
| BP6604     | X4804 | 05/15/96     | 45.8                   | 37.7                  | 43.1                     | 32.1                    | 43.3                  | 36.8            | 7.0        | 16.4       | 16.0   |
| BP6605     | X4803 | 05/15/96     | 33.0                   | 29.8                  | 31.9                     | 26.6                    | 32.2                  | 27.6            | 5.5        | 10.8       | 4.3    |
| BP6607     | X4807 | 05/15/96     | 41.5                   | 33.7                  | 39.5                     | 29.3                    | 39.5                  | 32.0            | 6.3        | 13.8       | 6.8    |
| BP6608     | X4808 | 05/15/96     | 59.3                   | 48.8                  | 55.2                     | 41.4                    | 55.4                  | 46.2            | 8.5        | 19.9       | 24.5   |
| BP4588     | X4809 | 05/17/96     | 49.3                   | 46.0                  | 46.0                     | 36.6                    | 46.4                  | 37.7            | 7.2        | 18.5       | 13.2   |
| BP6611     | X4811 | 05/17/96     | 50.3                   | 42.6                  | 48.4                     | 38.1                    | 48.6                  | 41.5            | 6.8        | 16.2       | 20.5   |
| BP6612     | X4812 | 05/17/96     | 32.8                   | 26.2                  | 30.8                     | 23.4                    | 30.9                  | 25.8            | 5.3        | 11.5       | 3.8    |
| BP6613     | X4813 | 05/17/96     | 31.1                   | 26.1                  | 29.4                     | 22.7                    | 29.6                  | 25.6            | 5.4        | 11.1       | 3.8    |
| BP6614     | X4814 | 05/17/96     | 34.4                   | 28.6                  | 32.6                     | 25.4                    | 32.7                  | 28.8            | 5.5        | 12.0       | 4.6    |
| BP6615     | X4815 | 05/20/96     | 48.3                   | 43.0                  | 45.1                     | 35.6                    | 44.8                  | 38.3            | 7.2        | 17.0       | 18.0   |
| BP6616     | X4816 | 05/20/96     | 43.1                   | 37.4                  | 41.1                     | 31.8                    | 41.3                  | 32.9            | 6.2        | 14.5       | 8.3    |
| BP6618     | X4818 | 05/20/96     | 67.0                   | 59.3                  | 61.3                     | 46.9                    | 61.6                  | 50.6            | 9.2        | 24.2       | 39.0   |
| BP6619     | X4819 | 05/20/96     | 43.7                   | 36.2                  | 41.2                     | 32.3                    | 41.4                  | 25.0            | 6.4        | 16.3       | 16.0   |
| BP6620     | X4820 | 05/20/96     | 35.3                   | 30.0                  | 33.0                     | 26.0                    | 33.5                  | 27.0            | 5.6        | 11.3       | 3.9    |
| BP6621     | X4821 | 05/24/96     | 39.0                   | 32.8                  | 37.2                     | 29.0                    | 37.2                  | 31.8            | 6.0        | 13.2       | 6.7    |
| BP6622     | X4822 | 05/24/96     | 43.7                   | 37.1                  | 40.0                     | 30.2                    | 40.2                  | 34.3            | 6.4        | 14.5       | 8.7    |
| BP6623     | X4823 | 05/24/96     | 67.4                   | 62.0                  | 62.0                     | 51.3                    | 62.5                  | 51.9            | 8.9        | 22.2       | 35.2   |

Table 14 continued

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP6644     | X4844 | 05/28/96     | 37.2                   | 32.8                  | 35.4                     | 28.0                    | 35.5                  | 29.8            | 5.9        | 13.5       | 6.2    |
| BP6645     | X4845 | 05/28/96     | 37.4                   | 30.7                  | 35.3                     | 26.4                    | 35.4                  | 29.3            | 5.6        | 13.2       | 5.6    |
| BP6646     | X4846 | 05/28/96     | 38.5                   | 34.0                  | 36.8                     | 29.8                    | 36.8                  | 30.2            | 5.8        | 13.6       | 6.5    |
| BP6647     | X4847 | 05/28/96     | 43.3                   | 36.6                  | 41.2                     | 31.8                    | 41.2                  | 34.0            | 6.6        | 14.3       | 13.5   |
| BP6648     | X4848 | 05/28/96     | 33.9                   | 30.0                  | 32.2                     | 26.0                    | 32.4                  | 27.4            | 5.4        | 12.5       | 4.8    |
| BP6650     | X4850 | 05/28/96     | 38.9                   | 34.7                  | 36.5                     | 30.2                    | 36.7                  | 30.0            | 6.0        | 13.1       | 6.1    |
| BP6609     | X4849 | 05/31/96     | 36.2                   | 30.6                  | 34.4                     | 26.8                    | 34.5                  | 29.2            | 5.9        | 13.0       | 5.2    |
| BP6624     | X4824 | 05/31/96     | 33.6                   | 28.5                  | 31.7                     | 25.1                    | 32.1                  | 27.6            | 5.3        | 12.5       | 4.6    |
| BP6625     | X4825 | 05/31/96     | 39.6                   | 35.2                  | 37.5                     | 31.5                    | 37.7                  | 32.3            | 5.7        | 14.4       | 7.3    |
| BP6642     | X4842 | 05/31/96     | 39.5                   | 36.2                  | 36.7                     | 30.3                    | 37.1                  | 30.8            | 6.1        | 13.9       | 6.6    |
|            |       | Number       | 905                    | 905                   | 906                      | 907                     | 906                   | 906             | 905        | 838        | 892    |
|            |       | Median       | 40.8                   | 35.1                  | 38.3                     | 30.6                    | 38.6                  | 32.7            | 6.1        | 14.3       | 7.5    |
|            |       | Mean         | 43.3                   | 37.3                  | 40.7                     | 32.6                    | 40.9                  | 34.6            | 6.4        | 15.2       | 11.3   |
|            |       | Std. Dev.    | 9.6                    | 8.5                   | 8.8                      | 12.2                    | 8.9                   | 7.7             | 1.2        | 3.6        | 9.2    |
|            |       | Minimum      | 25.8                   | 21.8                  | 24.3                     | 18.5                    | 24.4                  | 10.6            | 3.9        | 6.0        | 1.7    |
|            |       | Maximum      | 77.6                   | 68.5                  | 72.4                     | 335.5                   | 73.1                  | 61.5            | 12.6       | 28.9       | 60.0   |

Table 15. Morphometrics of the adult male green turtle from the central region of the Indian River Lagoon System.

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP3292     | X6025 | 06/06/95     | 101.0                  | 91.9                  | 97.2                     | 77.4                    | 98.3                  | 82.8            | 13.6       | 33.4       | ----   |

**Table 16. Carapace length data obtained from green turtles in developmental habitats along the U.S. Atlantic Coast and Gulf Coast. Measurements are in centimeters.**

| Location  | How Obtained                              | Measurement              | Mean | Range       | n   | Source                          |
|---|---|--------------------------|------|-------------|-----|---------------------------------|
| Central Region of the Indian River Lagoon System, Fl  | Tangle Net                                | Standard Carapace Length | 40.8 | 24.3-97.2   | 908 | ....                            |
| Northern Region of the Indian River Lagoon System, Fl | Tangle Net and Cold Stunned (1977 & 1981) | Standard Carapace Length | 48.2 | 25.0-74.0   | 99  | Ehrhart (1983)                  |
| Northern Region of the Indian River Lagoon System, Fl | Cold Stunned (1985)                       | Standard Carapace Length | 44.0 | 24.6-75.0   | 143 | Witherington and Ehrhart (1988) |
| Northern Region of the Indian River Lagoon System, Fl | Cold Stunned (1989)                       | Standard Carapace Length | 52.3 | 26.6-77.0   | 246 | Schroeder et al. (1990)         |
| Cape Canaveral, Fl                                    | Shrimp Trawl                              | Total Carapace Length    | 33.8 | 23.6-68.1   | 19  | Henwood and Ogren (1987)        |
| Trident Turning Basin, Port Canaveral, Fl             | Tangle Net, Dip Net                       | Standard Carapace Length | 31.3 | 22.9-48.1   | 136 | Ehrhart and Redfoot (1996)      |
| Sabellariid Worm Reefs, Indian River Co. Fl.          | Tangle Net                                | Standard Carapace Length | 41.1 | 25.1-67.0   | 190 | ....                            |
| Sabellariid Worm Reefs, Indian River Co. Fl.          | Abandoned Gill Net                        | Standard Carapace Length | .... | 27.0-58.2   | 10  | Ehrhart et al. (1990)           |
| Nearshore Waters Hutchinson Isl. Fl                   | Power Plant Intake Canal                  | Minimum Carapace Length  | 35.6 | 17.5-107.5* | 259 | ....                            |
| Limestone Reefs, Broward Co. Fl                       | Hand Capture Using SCUBA                  | Curved Carapace Length   | .... | 26.4-67.0   | 105 | Wershoven and Wershoven (1989)  |

| Location                                  | How Obtained                               | Measurement              | Mean              | Range                  | n   | Source                    |
|---|--|--------------------------|-------------------|------------------------|-----|---------------------------|
| Florida Keys                              | Strandings                                 | Curved Carapace Length   | ----              | 12-94                  | 159 | Wells and Bellmund (1990) |
| Cedar Key-Crystal River Area, FL          | Tangle Net                                 | Standard Carapace Length | 60.0 <sup>a</sup> | 34.6-76.3 <sup>a</sup> | 208 | Carr and Caldwell (1956)  |
| Long Island Sound, NY                     | Cold Stunned                               | Standard Carapace Length | 32.7              | 28.6-40.8              | 5   | Morreale et al. (1992)    |
| Chesapeake Bay and Coastal Waters of Va.  | Strandings and Pound Nets                  | Not Stated               | ----              | 28.0-42.0              | 9   | Barnard et al. (1989)     |
| Pamilico and Core Sounds, NC              | Incidental Capture by Commercial Fishermen | Curved Carapace Length   | 33.0              | 24.0-70.0              | 21  | Epperly et al. (1995)     |
| Brazos Santiago Pass, Padre Isl., TX      | Tangle Net, Net Encirclement, Cast Net     | Standard Carapace Length | 31.3              | 22.2-47.9              | 24  | Coyne (1994)              |
| South Bay/Mexiquita Flats, Padre Isl., TX | Tangle Net                                 | Standard Carapace Length | 44.6              | 29.6-81.5              | 27  | Coyne (1994)              |

\*estimated from graph  
^converted from inches

Table 17. Morphometrics of initial capture subadult loggerheads from the central region of the Indian River Lagoon System. Summary statistics are at the end of the table.

| Tag Number    | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| K1937         | 05/19/82     | 76.3                   | 72.7                  | 62.3                     | 57.2                    | 62.3                  | 23.0            | 13.1       | ----       | 56.8   |
| K1938         | 05/28/82     | 84.2                   | 80.0                  | 77.9                     | 62.4                    | 79.4                  | 59.2            | 16.3       | ----       | 65.9   |
| K1939         | 05/28/82     | 80.4                   | 71.3                  | 73.5                     | 57.2                    | 75.0                  | 55.6            | 14.8       | ----       | -----  |
| K1940         | 06/22/82     | 80.1                   | 74.7                  | 74.0                     | 58.9                    | 74.4                  | 59.2            | 17.3       | ----       | 72.7   |
| K1942         | 07/01/82     | 73.0                   | 68.5                  | 65.4                     | 52.8                    | 66.4                  | 51.6            | 11.9       | ----       | 38.6   |
| K1944         | 07/01/82     | 64.2                   | 59.1                  | 56.9                     | 45.6                    | 57.8                  | 44.6            | 11.2       | ----       | 31.4   |
| K1947         | 07/02/82     | 66.5                   | 60.6                  | 61.4                     | 50.1                    | 62.6                  | 47.7            | 10.8       | ----       | 34.1   |
| K1945         | 07/02/82     | 63.8                   | 60.4                  | 57.8                     | 46.0                    | 58.6                  | 46.2            | 10.4       | ----       | -----  |
| K1946         | 07/02/82     | 67.0                   | 64.5                  | 60.7                     | 51.4                    | 61.6                  | 46.4            | 11.3       | ----       | 36.4   |
| K1949         | 07/15/82     | 90.5                   | 79.0                  | 84.6                     | 61.7                    | 85.4                  | 59.9            | 19.0       | ----       | 84.1   |
| K1950         | 07/15/82     | 68.5                   | 68.8                  | 63.0                     | 52.7                    | 63.8                  | 49.4            | 12.8       | ----       | 38.6   |
| K1963         | 07/18/82     | 67.6                   | 63.9                  | 60.8                     | 50.1                    | 61.4                  | 48.3            | 11.2       | ----       | 38.6   |
| K1956         | 07/22/82     | 69.5                   | 67.1                  | 63.2                     | 53.3                    | 65.2                  | 53.9            | 12.2       | ----       | 50.0   |
| K1955         | 07/22/82     | 69.9                   | 66.1                  | 63.7                     | 51.8                    | 65.1                  | 51.3            | 12.3       | ----       | 50.0   |
| K1954         | 07/22/82     | 87.3                   | 80.4                  | 81.9                     | 61.1                    | 83.4                  | 63.5            | 17.5       | ----       | -----  |
| K1953         | 07/22/82     | 77.4                   | 66.0                  | 69.5                     | 53.3                    | 71.0                  | 55.2            | 13.5       | ----       | 54.5   |
| K1952         | 07/22/82     | 73.4                   | 71.5                  | 66.4                     | 55.6                    | 67.8                  | 52.9            | 11.9       | ----       | 47.7   |
| K1962         | 07/27/82     | 66.3                   | 63.1                  | 60.6                     | 48.8                    | 61.4                  | 47.6            | 12.3       | ----       | 36.4   |
| K1961         | 07/27/82     | 65.4                   | 62.1                  | 60.7                     | 50.3                    | 61.8                  | 48.9            | 12.5       | ----       | 34.1   |
| K1960         | 07/27/82     | 57.3                   | 54.5                  | 50.8                     | 54.5                    | 51.6                  | 43.1            | 9.9        | ----       | 27.3   |
| K1959         | 07/27/82     | 80.5                   | 70.8                  | 74.7                     | 57.0                    | 76.4                  | 54.2            | 14.6       | ----       | -----  |
| K1958         | 07/27/82     | 63.2                   | 62.0                  | 59.0                     | 48.5                    | 59.8                  | 43.6            | 10.6       | ----       | 31.8   |
| K1957         | 07/27/82     | 63.3                   | 61.9                  | 58.8                     | 50.1                    | 60.4                  | 46.8            | 11.8       | ----       | 36.4   |
| AAB662 AAB663 | 07/28/82     | 68.7                   | 65.8                  | 61.9                     | 51.2                    | 62.7                  | 50.0            | 12.7       | ----       | 40.9   |
| K1964         | 07/28/82     | 64.4                   | 57.9                  | 57.3                     | 45.3                    | 58.4                  | 45.7            | 10.6       | ----       | 34.1   |
| K1965         | 08/06/82     | 74.5                   | 67.7                  | 67.5                     | 54.7                    | 68.5                  | 51.1            | 14.1       | ----       | -----  |
| K1966         | 11/11/82     | 67.2                   | 62.5                  | 62.0                     | 52.3                    | 63.0                  | 48.4            | 12.1       | ----       | 31.8   |
| K1976         | 05/26/83     | 58.4                   | 53.5                  | 54.1                     | 43.9                    | 55.0                  | 41.7            | 11.5       | ----       | 25.0   |
| K1974         | 05/26/83     | 73.2                   | 68.0                  | 69.2                     | 55.5                    | 70.8                  | 55.2            | 14.3       | ----       | 52.3   |

| Tag Number | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| K1971      | 05/26/83     | 64.5                   | 62.0                  | 60.8                     | 51.4                    | 61.0                  | 47.7            | 12.1       | ---        | 34.1   |
| K1970      | 05/26/83     | 70.5                   | 66.0                  | 65.7                     | 52.8                    | 67.1                  | 49.4            | 13.5       | ---        | 47.7   |
| K1969      | 05/26/83     | 67.3                   | 63.6                  | 64.2                     | 50.3                    | 65.1                  | 48.7            | 13.7       | ---        | 40.1   |
| K1968      | 05/26/83     | 70.4                   | 65.4                  | 66.5                     | 53.4                    | 67.2                  | 53.8            | 12.7       | ---        | 45.5   |
| K1967      | 05/26/83     | 80.9                   | 73.9                  | 75.1                     | 59.4                    | 77.3                  | 56.2            | 15.2       | ---        | 56.8   |
| K1977      | 05/27/83     | 70.6                   | 65.0                  | 64.9                     | 52.7                    | 65.4                  | 50.9            | 14.1       | ---        | 43.2   |
| K1983      | 06/02/83     | 67.1                   | 60.1                  | 61.3                     | 47.6                    | 63.0                  | 47.4            | 11.2       | ---        | 36.4   |
| K1982      | 06/02/83     | 86.4                   | 78.6                  | 78.3                     | 62.2                    | 80.0                  | 60.2            | 16.0       | ---        | 77.3   |
| K1980      | 06/02/83     | 64.1                   | 69.4                  | 58.5                     | 53.8                    | 60.0                  | 51.8            | 13.2       | ---        | ---    |
| K1979      | 06/02/83     | 78.6                   | 74.3                  | 71.5                     | 58.4                    | 71.8                  | 57.8            | 13.7       | ---        | 56.8   |
| K1978      | 06/02/83     | 62.0                   | 56.7                  | 56.8                     | 45.5                    | 57.8                  | 44.8            | 10.5       | ---        | 25.9   |
| K1986      | 06/03/83     | 64.4                   | 57.2                  | 62.0                     | 49.0                    | 63.0                  | 43.3            | 12.4       | ---        | 30.5   |
| K1989      | 06/09/83     | 64.1                   | 59.8                  | 59.2                     | 49.2                    | 59.9                  | 44.3            | 12.1       | ---        | 29.5   |
| K1987      | 06/09/83     | 77.8                   | 72.6                  | 73.3                     | 57.1                    | 74.8                  | 58.3            | 15.8       | ---        | 56.8   |
| K1992      | 06/17/83     | 72.0                   | 68.0                  | 66.7                     | 55.1                    | 67.6                  | 52.9            | 14.3       | ---        | 47.7   |
| K1991      | 06/17/83     | 81.7                   | 75.0                  | 76.4                     | 59.6                    | 78.2                  | 56.8            | 16.2       | ---        | 61.4   |
| K3701      | 06/17/83     | 75.3                   | 69.8                  | 69.7                     | 55.8                    | 69.9                  | 52.7            | 16.2       | ---        | 52.3   |
| K1993      | 06/21/83     | 86.4                   | 78.8                  | ---                      | 62.2                    | 82.0                  | 57.6            | 17.2       | ---        | 70.5   |
| K3714      | 07/13/83     | 66.8                   | 61.0                  | 61.1                     | 49.4                    | 64.2                  | 50.5            | 12.0       | ---        | 35.5   |
| K3702      | 07/13/83     | 73.0                   | 65.9                  | 66.0                     | 52.4                    | 67.3                  | 50.2            | 12.5       | ---        | 43.1   |
| K3705      | 07/14/83     | 60.0                   | 56.4                  | 53.6                     | 44.3                    | 54.9                  | 42.0            | 10.5       | ---        | 20.4   |
| K3708      | 07/15/83     | 49.3                   | 48.1                  | 44.0                     | 35.9                    | 44.3                  | 35.0            | 7.8        | ---        | 13.6   |
| K3707      | 07/15/83     | 83.0                   | 75.6                  | 74.8                     | 60.4                    | 77.4                  | 53.3            | 14.2       | ---        | 63.6   |
| K3716      | 07/20/83     | 55.0                   | 54.0                  | 48.8                     | 41.3                    | 48.8                  | 39.0            | 9.9        | ---        | 18.6   |
| K1997      | 07/29/83     | 72.6                   | 66.3                  | 67.9                     | 54.9                    | 69.6                  | 52.5            | 14.9       | ---        | 47.8   |
| K1998      | 08/03/83     | 71.0                   | 66.2                  | 66.8                     | 52.1                    | 68.2                  | 50.9            | 13.8       | ---        | 35.8   |
| K1999      | 08/04/83     | 61.5                   | 60.9                  | 57.0                     | 48.5                    | 57.3                  | 43.9            | 12.7       | ---        | 29.5   |
| K3709      | 08/11/83     | 65.0                   | 61.5                  | 61.3                     | 49.8                    | 62.1                  | 47.0            | 13.3       | ---        | 31.9   |
| K3721      | 08/19/83     | 71.2                   | 66.0                  | 67.1                     | 54.0                    | 67.5                  | 51.5            | 14.8       | ---        | 44.5   |
| K3719      | 08/19/83     | 82.4                   | 74.2                  | 76.8                     | 61.4                    | 79.0                  | 58.0            | 14.9       | ---        | 56.8   |
| K3718      | 08/19/83     | 70.4                   | 62.8                  | 65.0                     | 51.2                    | 66.1                  | 47.9            | 13.9       | ---        | 42.7   |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           |                 |            |                   |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|-------------------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length | Plastron Length | Head Width | Body Depth Weight |
| K3717      | 08/19/83     | 68.2            | 64.5           | 63.8            | 50.6           | 64.5            | 48.4            | 13.4       | — 40.9            |
| K3732      | 05/24/84     | 65.5            | 59.7           | 59.2            | 48.3           | 60.0            | 50.8            | 11.0       | — 33.6            |
| K3729      | 05/24/84     | 72.0            | 64.1           | 64.7            | 49.5           | 65.3            | 49.5            | 12.4       | — 45.5            |
| K3734      | 05/25/84     | 74.4            | 70.3           | 68.4            | 53.6           | 69.3            | 53.5            | 13.2       | — 47.7            |
| K3733      | 05/25/84     | 75.7            | 69.2           | 68.7            | 54.7           | 69.1            | 53.0            | 14.4       | — 50.0            |
| K3736      | 05/29/84     | 88.5            | 84.0           | 82.1            | 65.5           | 82.9            | 61.0            | 16.2       | — 79.5            |
| K3739      | 05/30/84     | 58.1            | 65.5           | 47.7            | 59.7           | 59.3            | 49.7            | 11.9       | — 31.8            |
| K3738      | 05/30/84     | 73.0            | 66.0           | 67.2            | 52.3           | 67.5            | 52.0            | 12.4       | — 44.5            |
| K3737      | 05/30/84     | 54.5            | 54.0           | 49.5            | 42.4           | 49.5            | 40.0            | 9.3        | — 20.5            |
| K3741      | 06/01/84     | 54.9            | 61.8           | 46.3            | 58.9           | 55.9            | 43.5            | 12.0       | — 27.3            |
| K3742      | 06/05/84     | 70.2            | 64.4           | 63.9            | 53.3           | 64.3            | 52.0            | 12.4       | — 43.2            |
| K3748      | 06/08/84     | 74.4            | 72.1           | 66.2            | 57.7           | 67.8            | 52.7            | 13.8       | — 47.7            |
| K3751      | 06/12/84     | 71.7            | 67.5           | 65.8            | 53.4           | 66.0            | 53.4            | 13.3       | — 47.7            |
| K3749      | 06/12/84     | 70.3            | 65.7           | 62.1            | 52.9           | 63.2            | 50.8            | 12.7       | — 43.2            |
| K3757      | 06/15/84     | 73.6            | 70.4           | 67.0            | 55.2           | 68.2            | 53.9            | 13.4       | — 51.4            |
| K3756      | 06/15/84     | 71.2            | 68.0           | 63.9            | 50.2           | 64.9            | 50.6            | 11.2       | — 43.2            |
| K3762      | 06/21/84     | 73.4            | —              | 66.9            | 55.2           | 68.7            | 52.0            | 13.7       | — 43.2            |
| K3760      | 06/21/84     | 73.5            | 67.0           | 65.6            | 52.0           | 66.1            | 51.5            | 13.0       | — 45.5            |
| K3766      | 06/22/84     | 57.7            | 55.0           | 51.9            | 42.7           | 53.0            | 40.3            | 11.8       | — 22.7            |
| K3767      | 06/27/84     | 72.2            | 63.0           | 64.3            | 50.3           | 65.6            | 49.5            | 12.7       | — 47.7            |
| K3769      | 06/28/84     | 61.3            | 58.3           | 55.0            | 48.8           | 57.3            | 45.7            | 11.2       | — 27.3            |
| K3772      | 06/29/84     | 70.8            | 63.6           | 65.1            | 52.7           | 66.5            | 50.7            | 13.7       | — 40.9            |
| K3771      | 06/29/84     | 57.0            | 55.4           | 52.7            | 44.4           | 54.3            | 42.8            | 10.8       | — 25.0            |
| K3777      | 07/06/84     | 71.8            | 64.7           | 65.1            | 50.9           | 65.9            | 49.8            | 12.0       | — 43.2            |
| K3776      | 07/06/84     | 63.0            | 60.5           | 56.5            | 48.1           | 57.8            | 44.4            | 12.3       | — 29.5            |
| K3775      | 07/06/84     | 48.1            | 46.2           | 43.4            | 38.4           | 44.5            | 35.7            | 8.8        | — 11.4            |
| K3778      | 07/13/84     | 60.8            | 58.4           | 56.0            | 46.5           | 56.7            | 45.3            | 11.1       | — 30.5            |
| K3784      | 09/07/84     | 73.3            | 67.0           | 66.9            | 53.7           | 68.0            | 50.0            | 13.9       | — 45.5            |
| K3782      | 09/07/84     | 58.0            | 56.5           | 53.0            | 44.5           | 54.0            | 41.0            | 10.5       | — 25.9            |
| K5621      | 06/04/85     | 53.4            | 49.9           | 49.0            | 40.4           | 49.5            | 38.5            | 10.3       | — 18.2            |
| K5622      | 06/04/85     | 78.1            | 74.5           | 71.8            | 61.3           | 72.7            | 56.7            | 15.1       | — 61.4            |

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| K5623         | 06/06/85     | 71.8            | 68.0           | 67.0            | 53.9           | 68.0            | 50.0            | 14.2       | —          | 47.7   |
| K5625         | 06/06/85     | 81.5            | 81.0           | 75.7            | 63.8           | 78.7            | 59.1            | 14.9       | —          | 72.7   |
| K5626         | 06/06/85     | 72.0            | 67.0           | 65.8            | 52.2           | 67.0            | 50.0            | 14.3       | —          | 48.6   |
| K5628         | 06/07/85     | 62.1            | 58.9           | 56.6            | 48.5           | 57.0            | 45.9            | 12.2       | —          | 36.4   |
| K5629         | 06/07/85     | 69.9            | 62.7           | 62.7            | 54.5           | 63.5            | 50.0            | 13.2       | —          | 43.2   |
| K5627         | 06/07/85     | 81.3            | 73.0           | 74.8            | 59.6           | 76.0            | 54.6            | 17.2       | —          | 63.6   |
| K5639 K5640   | 06/19/85     | 62.0            | 58.7           | 57.4            | 49.4           | 58.5            | 45.3            | 12.0       | —          | 27.3   |
| K5636 K5637   | 06/19/85     | 80.3            | 77.3           | 75.7            | 60.9           | 78.1            | 59.6            | 14.9       | —          | 65.9   |
| K5634 K5635   | 06/19/85     | 70.0            | 63.2           | 66.0            | 52.2           | 67.2            | 50.8            | 15.0       | —          | 40.1   |
| K5641 K5642   | 06/20/85     | 73.2            | 71.0           | 67.1            | 54.9           | 67.4            | 54.2            | 13.7       | —          | 47.7   |
| K5657 K5658   | 06/27/85     | 82.1            | 75.6           | 75.9            | 61.3           | 78.6            | 60.4            | 15.4       | —          | 70.5   |
| K5656         | 06/27/85     | 70.6            | 67.0           | 63.3            | 52.3           | 65.7            | 49.3            | 13.4       | —          | 40.9   |
| K5659 K5660   | 07/03/85     | 64.0            | 59.5           | 58.4            | 47.9           | 61.0            | 46.9            | 12.5       | —          | 34.1   |
| K5669 K5671   | 07/11/85     | 81.0            | 75.8           | 75.1            | 58.8           | 76.3            | 56.3            | 13.3       | —          | 56.8   |
| K5665 K5668   | 07/11/85     | 61.8            | 55.7           | 56.4            | 44.8           | 58.0            | 43.6            | 11.9       | —          | 27.3   |
| K5672 K5673   | 07/12/85     | 81.7            | 79.0           | 74.5            | 64.2           | 77.1            | 59.1            | 15.7       | —          | 65.9   |
| K5677 K5678   | 08/06/85     | 78.5            | 74.5           | 72.5            | 59.3           | 73.8            | 55.7            | 15.9       | —          | 59.1   |
| K5691 K5692   | 09/10/85     | 58.5            | 57.5           | 56.0            | 46.0           | 57.3            | 42.0            | 11.5       | —          | 27.3   |
| NNW606 NNV805 | 11/26/85     | 73.0            | 67.7           | 67.3            | 54.7           | 68.5            | 51.7            | 14.0       | —          | 47.7   |
| NNW605 NNV803 | 11/26/85     | 62.0            | 59.5           | 57.3            | 49.0           | 58.3            | 44.7            | 13.7       | —          | 29.5   |
| NNW610 NNV808 | 11/29/85     | 75.6            | 68.4           | 70.1            | 54.4           | 71.3            | 54.8            | 14.7       | 26.6       | 51.1   |
| NNW622 NNV820 | 02/04/86     | 68.2            | 61.5           | 62.8            | 49.3           | 63.9            | 48.8            | 13.5       | 25.3       | 36.4   |
| NNW623 NNV821 | 02/04/86     | 57.1            | 53.0           | 52.9            | 43.4           | 53.3            | 41.0            | 12.2       | 20.7       | 25.0   |
| NNW620 NNV818 | 02/04/86     | 64.0            | 59.1           | 57.7            | 47.2           | 58.7            | 44.9            | 13.2       | 23.1       | 31.8   |
| NNW627 NNV825 | 02/18/86     | 75.5            | 69.6           | 69.1            | 55.5           | 71.4            | 54.8            | 15.2       | 27.0       | 54.0   |
| NNW636 NNV834 | 03/11/86     | 79.0            | 72.5           | 74.0            | 58.5           | 75.0            | 54.5            | 15.0       | 30.0       | 61.0   |
| NNW635 NNV832 | 03/11/86     | 73.0            | 66.0           | 65.8            | 52.5           | 67.0            | 50.4            | 14.5       | 28.0       | 49.0   |
| NNW630 NNV828 | 03/11/86     | 77.0            | 72.0           | 71.2            | 56.5           | 72.5            | 54.4            | 14.5       | 26.0       | 55.0   |
| NNW647 NNV846 | 04/22/86     | 72.2            | 68.3           | 66.9            | 54.0           | 69.1            | 51.1            | 14.8       | 25.9       | 49.0   |
| NNW645 NNV844 | 04/22/86     | 85.6            | 78.2           | 79.1            | 62.8           | 86.0            | 60.1            | 17.0       | 31.9       | 73.0   |
| NNW642 NNV841 | 04/22/86     | 63.8            | 56.5           | 58.9            | 47.0           | 59.3            | 44.0            | 12.4       | 23.2       | 30.0   |

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| NNW641 NNV840 | 04/22/86     | 74.2            | 69.5           | 67.7            | 56.6           | 69.2            | 53.6            | 15.3       | 27.5       | 49.0   |
| NNW640 NNV839 | 04/22/86     | 65.5            | 59.9           | 59.8            | 48.7           | 61.0            | 47.2            | 12.8       | 25.1       | 37.0   |
| NNW654 NNV854 | 04/24/86     | 69.3            | 66.2           | 63.3            | 51.6           | 65.0            | 49.1            | 12.9       | 23.2       | 39.0   |
| NNW651 NNV851 | 04/24/86     | 75.5            | 68.2           | 70.8            | 55.6           | 72.1            | 53.6            | 15.6       | 28.1       | 53.0   |
| NNW663 NNV863 | 04/29/86     | 81.1            | 76.2           | 75.9            | 61.3           | 78.2            | 59.9            | 16.1       | 28.6       | 65.0   |
| NNW656 NNV856 | 04/29/86     | 68.5            | 64.3           | 62.8            | 51.9           | 63.1            | 48.5            | 14.0       | 27.4       | 39.5   |
| NNW657 NNV857 | 04/29/86     | 74.0            | 68.4           | 67.0            | 54.1           | 67.9            | 53.1            | 14.8       | 28.3       | 47.0   |
| NNW659 NNV859 | 04/29/86     | 83.6            | 76.3           | 77.9            | 61.7           | 79.7            | 58.5            | 18.5       | 27.9       | 69.5   |
| NNW658 NNV858 | 04/29/86     | 79.1            | 71.9           | 73.0            | 59.4           | 73.7            | 56.0            | 15.1       | 31.1       | 60.0   |
| NNW671 NNV871 | 05/07/86     | 84.5            | 77.7           | 76.4            | 63.7           | 76.8            | 60.4            | 15.5       | 32.4       | 69.0   |
| NNW669 NNV869 | 05/07/86     | 77.2            | 68.0           | 69.0            | 53.8           | 69.2            | 52.4            | 14.8       | 28.0       | 49.0   |
| NNW668 NNV868 | 05/07/86     | 72.1            | 65.2           | 67.2            | 53.9           | 68.0            | 51.1            | 14.2       | 27.9       | 49.0   |
| NNW666 NNV866 | 05/07/86     | 67.0            | 60.5           | 62.0            | 50.3           | 63.0            | 48.9            | 13.8       | 24.6       | 38.0   |
| NNW664 NNV864 | 05/07/86     | 67.5            | 63.7           | 62.9            | 52.3           | 63.7            | 49.6            | 13.9       | 26.2       | 42.0   |
| NNW672 NNV872 | 05/07/86     | 82.1            | 72.2           | 74.8            | 57.9           | 75.5            | 55.8            | 15.8       | 30.9       | 61.0   |
| NNZ411 NNZ412 | 05/21/86     | 60.5            | 59.8           | 56.7            | 48.9           | 57.6            | 44.5            | 12.4       | 24.3       | 34.0   |
| NNZ413 NNZ414 | 05/21/86     | 80.0            | 72.0           | 72.9            | 53.9           | 73.5            | 58.3            | 15.0       | 30.8       | 62.0   |
| NNZ409 NNZ410 | 05/21/86     | 61.5            | 57.8           | 56.8            | 48.0           | 57.8            | 45.4            | 12.2       | 24.3       | 34.0   |
| NNZ407 NNZ408 | 05/21/86     | 77.4            | 72.9           | 71.7            | 56.4           | 72.9            | 56.5            | 15.0       | 29.4       | 57.5   |
| NNZ405 NNZ406 | 05/21/86     | 56.4            | 53.7           | 51.4            | 42.8           | 52.0            | 39.6            | 11.1       | 21.5       | 24.0   |
| NNZ403 NNZ404 | 05/21/86     | 70.4            | 66.4           | 65.3            | 54.9           | 66.5            | 50.1            | 13.0       | 26.0       | 44.0   |
| NNZ401 NNZ402 | 05/21/86     | 64.2            | 60.5           | 59.2            | 47.0           | 60.4            | 46.2            | 12.9       | 24.3       | 33.0   |
| NNZ426 NNZ427 | 05/22/86     | 73.9            | 70.9           | 69.0            | 57.4           | 71.0            | 56.0            | 14.4       | 27.2       | 51.0   |
| NNZ420 NNZ421 | 05/22/86     | 66.9            | 63.2           | 61.0            | 51.2           | 62.5            | 46.8            | 12.3       | 23.9       | 33.0   |
| NNZ432 NNZ433 | 05/23/86     | 80.6            | 73.1           | 74.8            | 57.9           | 75.9            | 55.2            | 15.5       | 29.5       | 64.0   |
| NNZ430 NNZ431 | 05/23/86     | 60.4            | 56.4           | 56.8            | 47.6           | 57.0            | 44.1            | 11.1       | 19.0       | 24.0   |
| NNW677 NNV877 | 05/29/86     | 53.7            | 50.1           | 48.9            | 41.8           | 49.0            | 39.0            | 10.0       | 22.7       | 22.5   |
| NNW676 NNV876 | 05/29/86     | 61.1            | 61.5           | 56.7            | 50.2           | 58.2            | 46.7            | 12.2       | 23.6       | 32.0   |
| NNW675 NNV875 | 05/29/86     | 72.5            | 68.1           | 68.2            | 56.8           | 69.1            | 52.4            | 12.8       | 25.1       | 44.0   |
| NNV873 NNW673 | 05/29/86     | 65.6            | 61.3           | 60.8            | 51.9           | 61.1            | 46.6            | 12.8       | 25.9       | 39.5   |
| NNW683 NNV883 | 05/30/86     | 71.5            | 67.9           | 66.1            | 53.7           | 67.0            | 51.2            | 12.5       | 26.9       | 47.0   |

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| NNW682 NNV882 | 05/30/86     | 65.1            | 54.8           | 52.4            | 46.1           | 53.3            | 38.9            | 11.2       | 20.7       | 24.0   |
| NNW680 NNV881 | 05/30/86     | 70.4            | 62.5           | 65.7            | 51.7           | 66.7            | 49.0            | 13.4       | 25.9       | 42.5   |
| NNW681 NNV880 | 05/30/86     | 74.5            | 66.5           | 69.4            | 54.9           | 70.8            | 54.2            | 15.2       | 26.0       | 50.0   |
| NNW693 NNV893 | 06/02/86     | 68.5            | 62.8           | 63.3            | 31.7           | 64.1            | 45.8            | 12.9       | 24.1       | 39.0   |
| NNW692 NNV892 | 06/02/86     | 57.2            | 55.0           | 52.9            | 45.1           | 54.1            | 43.2            | 11.8       | 21.4       | 25.0   |
| NNW691 NNV891 | 06/02/86     | 66.1            | 63.9           | 61.0            | 47.5           | 61.3            | 45.2            | 12.9       | 24.6       | 35.0   |
| NNW694 NNV894 | 06/03/86     | 58.7            | 56.4           | 54.5            | 47.6           | 55.1            | 43.5            | 11.0       | 22.6       | 29.0   |
| NNW697 NNV897 | 06/09/86     | 77.3            | 68.1           | 69.9            | 54.2           | 71.5            | 54.2            | 14.3       | 24.8       | 46.0   |
| NNZ434        | 06/10/86     | 66.3            | 61.7           | 62.2            | 51.0           | 63.5            | 49.0            | 13.3       | 24.6       | 37.0   |
| NNZ451 K5697  | 06/17/86     | 68.3            | 64.2           | 63.0            | 54.1           | 63.7            | 50.0            | 12.2       | 24.8       | 41.0   |
| NNZ453 K5699  | 06/18/86     | 76.1            | 71.0           | 70.8            | 58.8           | 72.3            | 53.8            | 13.8       | 28.3       | 49.0   |
| NNZ452 K5698  | 06/18/86     | 70.6            | 64.8           | 64.9            | 55.1           | 66.3            | 51.5            | 14.3       | 25.7       | 43.0   |
| NNZ455 K6206  | 06/24/86     | 65.3            | 60.4           | 59.0            | 50.9           | 59.4            | 44.0            | 12.1       | 23.3       | 33.0   |
| NNZ438 K6203  | 06/24/86     | 68.2            | 66.3           | 64.1            | 53.8           | 65.7            | 51.1            | 26.0       | 26.1       | 41.0   |
| NNZ462 K6221  | 07/23/86     | 58.5            | 44.3           | 54.9            | 54.9           | 55.5            | 41.8            | 11.2       | 21.9       | 27.0   |
| NNZ461 K6220  | 07/23/86     | 68.1            | 63.0           | 63.9            | 51.2           | 64.8            | 49.1            | 12.8       | 25.2       | 37.5   |
| NNZ475 K6235  | 07/24/86     | 75.7            | 68.7           | 71.2            | 56.5           | 73.1            | 55.7            | 14.1       | 28.5       | 55.0   |
| NNZ468 K6227  | 07/24/86     | 65.0            | 60.0           | 59.8            | 49.8           | 61.3            | 47.8            | 12.4       | 24.8       | 33.5   |
| NNZ466 K6225  | 07/24/86     | 62.2            | 58.2           | 58.3            | 47.8           | 59.1            | 44.0            | 12.8       | 23.8       | 31.0   |
| NNZ493 K6247  | 07/25/86     | 68.8            | 67.0           | 67.0            | 53.5           | 68.5            | 50.8            | 13.2       | 25.5       | 46.0   |
| NNZ494 K6241  | 07/25/86     | 59.8            | 58.6           | 56.2            | 48.5           | 57.4            | 44.5            | 12.0       | 24.2       | 31.0   |
| NNZ417 K6238  | 07/25/86     | 64.0            | 62.0           | 58.6            | 51.9           | 59.9            | 47.6            | 12.8       | 26.3       | 38.5   |
| NNZ478 K6242  | 07/29/86     | 69.1            | 60.7           | 65.6            | 48.2           | 66.2            | 48.0            | 14.0       | 25.7       | 39.0   |
| NNZ479 K6246  | 07/29/86     | 64.2            | 59.1           | 60.3            | 49.0           | 61.4            | 45.0            | 12.3       | 23.2       | 31.5   |
| NNZ482 K6248  | 07/30/86     | 56.0            | 54.6           | 52.0            | 44.5           | 53.0            | 39.5            | 11.0       | 21.5       | 24.5   |
| NNZ388 K6265  | 08/13/86     | 77.3            | 69.7           | 72.0            | 58.0           | 73.5            | 52.8            | 15.0       | 31.1       | 64.0   |
| NNZ385 K6262  | 08/13/86     | 60.3            | 57.8           | 57.4            | 48.8           | 58.7            | 44.1            | 11.0       | 24.1       | 31.5   |
| NNZ384 K6261  | 08/13/86     | 78.8            | 73.1           | 73.5            | 58.1           | 75.2            | 57.0            | 15.2       | 29.4       | 60.0   |
| NNZ332 K6282  | 08/22/86     | 65.0            | 62.2           | 60.2            | 49.4           | 61.5            | 46.8            | 11.8       | 23.5       | 33.0   |
| NNZ333 K6283  | 08/22/86     | 76.2            | 75.5           | 71.2            | 59.8           | 72.2            | 56.4            | 14.0       | 27.5       | ----   |
| NNZ336 K6286  | 09/05/86     | 64.6            | 61.0           | 60.3            | 49.4           | 60.8            | 47.9            | 11.7       | 25.8       | 38.0   |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |      |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |      |
| NNZ338     | K6287        | 09/05/86        | 64.1           | 66.0            | 62.9           | 55.3            | 64.1            | 49.0       | 12.8       | 23.6   | 40.5 |
| NNZ348     | K6298        | 09/17/86        | 62.1           | 57.3            | 57.9           | 47.2            | 58.8            | 43.0       | 13.1       | 24.4   | 31.5 |
| NNZ353     | NNZ354       | 09/24/86        | 67.0           | 63.8            | 62.5           | 51.6            | 64.1            | 50.3       | 13.7       | 25.2   | 38.5 |
| NNZ357     | NNZ358       | 10/02/86        | 66.2           | 61.2            | 62.2           | 48.8            | 63.5            | 47.0       | 13.2       | 23.4   | 33.0 |
| NNZ359     | NNZ360       | 10/08/86        | 66.1           | 62.0            | 61.1           | 49.6            | 61.5            | 46.6       | 13.2       | 25.7   | 39.5 |
| NNZ367     | NNZ368       | 10/24/86        | 52.6           | 49.0            | 48.2           | 38.8            | 49.0            | 39.2       | 10.2       | 18.2   | 16.0 |
| NNZ397     | NNZ398       | 10/29/86        | 62.7           | 60.0            | 58.2           | 51.0            | 59.2            | 45.5       | 12.9       | 22.7   | 33.0 |
| NNZ394     |              | 10/29/86        | 54.5           | 53.4            | 50.5           | 42.3            | 51.1            | 38.2       | 11.2       | 19.1   | 19.0 |
| PPJ001     | PPJ002       | 11/11/86        | 84.4           | 75.1            | 78.4           | 61.7            | 78.9            | 59.2       | 14.9       | 31.3   | 71.0 |
| PPJ011     | PPJ012       | 11/19/86        | 80.3           | 72.0            | 75.3           | 58.1            | 76.8            | 55.6       | 15.6       | 27.4   | 61.5 |
| PPJ009     | PPJ010       | 11/19/86        | 60.9           | 59.4            | 57.0           | 48.8            | 57.8            | 44.6       | 12.7       | 23.0   | 31.5 |
| NNZ320     | NNZ489       | 11/19/86        | 71.7           | 67.6            | 67.3           | 55.9            | 68.2            | 52.5       | 14.5       | 27.0   | 49.5 |
| PPJ023     | PPJ024       | 11/26/86        | 76.4           | 73.4            | 70.7           | 59.2            | 72.7            | 52.3       | 15.4       | 29.4   | 58.0 |
| PPJ015     | PPJ016       | 11/26/86        | 66.8           | 62.6            | 62.3           | 50.7            | 63.6            | 48.0       | 13.2       | 22.3   | 35.5 |
| PPJ037     | PPJ038       | 12/10/86        | 84.7           | 76.8            | 77.5           | 57.4            | 78.4            | 61.3       | 16.9       | 31.0   | 66.0 |
| PPJ033     | PPJ034       | 12/10/86        | 72.8           | 67.7            | 68.3           | 53.0            | 69.5            | 52.5       | 15.5       | 26.8   | 45.5 |
| Not Tagged |              | 01/08/87        | 80.7           | 73.0            | 76.5           | 60.2            | 78.0            | 57.4       | 16.9       | 29.4   | 69.0 |
| PPJ064     | PPJ065       | 01/08/87        | 60.4           | 59.6            | 60.9           | 49.6            | 61.9            | 47.2       | 12.4       | 23.6   | 35.5 |
| PPJ056     | PPJ057       | 01/08/87        | 59.4           | 54.5            | 56.8           | 44.3            | 57.2            | 41.6       | 12.1       | 21.0   | 27.0 |
| PPJ071     | PPJ072       | 01/15/87        | 51.8           | 48.8            | 48.0           | 42.0            | 48.4            | 37.5       | 10.5       | 22.0   | 24.0 |
| PPJ103     | PPJ104       | 03/03/87        | 75.7           | 68.0            | 71.8           | 52.2            | 73.2            | 52.0       | 15.0       | 26.8   | 51.0 |
| PPJ105     | PPJ106       | 03/03/87        | 71.0           | 67.0            | 67.0           | 54.8            | 68.2            | 52.5       | 14.2       | 35.2   | 46.0 |
| PPJ111     | PPJ112       | 03/16/87        | 63.5           | 60.6            | 60.0           | 49.5            | 61.0            | 45.9       | 12.1       | 23.5   | 34.0 |
| PPJ123     | PPJ124       | 03/16/87        | 59.0           | 54.8            | 53.5           | 45.2            | 54.4            | 44.2       | 10.8       | 21.2   | 28.0 |
| PPJ131     | PPJ132       | 03/17/87        | 86.1           | 76.8            | 78.8           | 61.1            | 80.0            | 61.5       | 16.4       | 31.6   | 78.0 |
| PPJ133     | PPJ134       | 03/17/87        | 55.0           | 52.2            | 49.6           | 44.3            | 50.7            | 39.0       | 10.9       | 22.6   | 26.0 |
| PPJ135     | PPJ136       | 03/17/87        | 58.0           | 55.2            | 53.2           | 46.2            | 53.9            | 41.6       | 11.5       | 22.8   | 30.0 |
| PPJ137     | PPJ138       | 03/20/87        | 89.9           | 80.0            | 82.5           | 63.8            | 83.2            | 65.2       | 17.2       | 31.0   | 84.0 |
| PPJ143     | PPJ144       | 04/09/87        | 58.4           | 56.0            | 54.8           | 45.0            | 56.2            | 42.5       | 11.5       | 24.2   | 31.0 |
| PPJ153     | PPJ154       | 04/21/87        | 63.1           | 60.5            | 59.1           | 50.3            | 59.5            | 48.8       | 12.0       | 24.4   | 36.0 |
| PPJ147     | PPJ148       | 04/21/87        | 60.1           | 58.0            | 56.2           | 45.0            | 56.6            | 43.2       | 12.2       | 22.8   | 30.0 |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |       |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|-------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |       |
| PPJ161     | PPJ169       | 04/30/87        | 67.6           | 64.0            | 63.6           | 54.9            | 64.6            | 52.2       | 14.0       | 25.2   | 40.0  |
| AAJ163     | AAJ164       |                 |                |                 |                |                 |                 |            |            |        |       |
| PPJ167     | PPJ168       | 04/30/87        | 80.2           | 77.2            | 75.5           | 60.0            | 78.5            | 59.0       | 14.5       | 27.7   | 55.0  |
| PPJ157     | PPJ158       | 04/30/87        | 81.2           | 78.5            | 77.2           | 63.2            | 78.8            | 58.0       | 14.4       | 28.2   | ----  |
| PPJ172     | PPJ173       | 05/20/87        | 56.1           | 52.6            | 51.6           | 44.0            | 52.2            | 40.4       | 10.3       | 21.9   | 26.0  |
| PPJ182     | PPJ183       | 05/21/87        | 85.4           | 82.9            | 80.2           | 64.9            | 82.5            | 63.9       | 15.5       | 31.3   | 83.0  |
| PPJ180     | PPJ181       | 05/21/87        | 67.5           | 68.3            | 62.3           | 50.3            | 63.1            | 49.6       | 12.9       | 25.8   | 36.0  |
| PPJ176     | PPJ177       | 05/21/87        | 58.0           | 57.2            | 54.2           | 45.8            | 55.0            | 41.8       | 11.2       | 22.9   | 28.0  |
| PPJ187     | PPJ189       | 05/22/87        | 63.1           | 62.0            | 59.4           | 50.4            | 60.3            | 48.5       | 12.1       | 24.4   | 36.0  |
| PPJ184     | PPJ185       | 05/22/87        | 65.5           | 62.2            | 59.8           | 49.4            | 59.8            | 44.9       | 13.8       | 26.2   | 39.0  |
| PPJ194     | PPJ195       | 06/02/87        | 60.0           | 57.0            | 56.3           | 46.8            | 57.2            | 45.0       | 12.1       | 22.6   | 31.0  |
| PPJ196     | PPJ197       | 06/04/87        | 68.0           | 63.5            | 64.0           | 51.2            | 64.7            | 49.2       | 12.9       | 26.2   | 37.0  |
| PPJ207     | PPJ208       | 06/10/87        | 66.0           | 59.5            | 60.5           | 48.0            | 60.9            | 47.0       | 11.2       | 23.6   | 33.5  |
| PPJ202     | PPJ203       | 06/10/87        | 57.9           | 57.2            | 53.3           | 47.6            | 54.5            | 41.7       | 11.1       | 20.9   | 26.0  |
| PPJ213     | PPJ214       | 06/11/87        | 64.1           | 60.7            | 59.4           | 49.3            | 59.9            | 46.3       | 12.3       | 23.5   | 33.0  |
| PPJ211     | PPJ212       | 06/11/87        | 81.7           | 76.7            | 76.5           | 64.0            | 77.2            | 56.5       | 16.2       | 24.9   | 60.0  |
| PPJ223     | PPJ224       | 06/12/87        | 61.9           | 56.5            | 57.1           | 46.4            | 57.6            | 44.2       | 11.6       | 22.9   | 30.0  |
| PPJ249     |              | 06/18/87        | 60.2           | 62.8            | 53.9           | 50.0            | 55.2            | 43.2       | 11.4       | 22.0   | 29.0  |
| PPJ239     | PPJ240       | 06/18/87        | 61.8           | 61.5            | 57.0           | 49.0            | 58.2            | 45.2       | 11.9       | 22.5   | 31.0  |
| PPJ237     | PPJ238       | 06/18/87        | 61.0           | 57.8            | 55.9           | 47.2            | 56.0            | 43.8       | 12.2       | 23.7   | 32.0  |
| PPJ231     | PPJ232       | 06/18/87        | 69.5           | 66.3            | 64.6           | 54.8            | 65.6            | 49.5       | 13.2       | 24.5   | 42.0  |
| PPJ229     | PPJ230       | 06/18/87        | 83.1           | 79.4            | 77.8           | 59.8            | 78.9            | 59.3       | 16.5       | 30.8   | 74.0  |
| PPJ254     | PPJ255       | 06/19/87        | 60.8           | 56.9            | 57.3           | 47.4            | 58.6            | 45.1       | 11.9       | 21.8   | ----  |
| PPJ264     | PPJ265       | 06/25/87        | ---            | ---             | 49.6           | 42.0            | 49.7            | 39.3       | 10.5       | 20.1   | 20.0  |
| PPJ269     |              | 06/30/87        | 68.7           | 64.8            | 63.8           | 53.3            | 65.2            | 51.6       | 13.3       | 25.8   | 42.5  |
| PPJ266     |              | 06/30/87        | 70.0           | 68.2            | 66.1           | 54.0            | 68.2            | 51.0       | 13.3       | 25.9   | 43.0  |
| PPJ272     |              | 07/01/87        | 76.9           | 66.0            | 71.3           | 55.2            | 72.4            | 55.7       | 14.8       | 26.7   | 52.0  |
| PPJ271     |              | 07/01/87        | 62.3           | 58.8            | 58.0           | 46.6            | 59.1            | 44.7       | 12.2       | 23.4   | 34.0  |
| PPJ282     | PPJ283       | 07/09/87        | 68.0           | 62.4            | 62.4           | 50.8            | 63.2            | 48.1       | 10.5       | 23.5   | 37.0  |
| PPJ279     | PPJ280       | 07/09/87        | 64.0           | 62.0            | 61.2           | 49.5            | 62.2            | 48.8       | 12.4       | 23.5   | 37.0  |
| PPJ277     | PPJ278       | 07/09/87        | 64.2           | 63.0            | 60.0           | 50.5            | 61.5            | 46.5       | 12.2       | 23.2   | 34.0  |
| Not Tagged |              | 07/16/87        | 64.4           | 63.1            | 60.9           | 52.0            | 61.7            | 46.3       | 12.8       | 23.9   | ----- |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |      |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |      |
| PPJ288     | PPJ289       | 07/16/87        | 51.0           | 48.7            | 47.2           | 39.1            | 48.2            | 36.4       | 9.8        | 18.5   | 18.0 |
| PPJ286     | PPJ287       | 07/16/87        | 67.3           | 65.2            | 63.8           | 54.3            | 64.2            | 50.0       | 13.1       | 25.9   | 44.0 |
| PPN710     | PPN711       | 07/31/87        | 68.6           | 64.8            | 63.0           | 54.7            | 64.5            | 51.1       | 12.7       | 22.8   | 40.5 |
| PPN707     | PPN708       | 07/31/87        | 68.7           | 65.6            | 63.0           | 51.3            | 63.9            | 49.9       | 12.6       | 21.0   | 42.0 |
| PPN720     | PPN721       | 08/07/87        | 58.2           | 55.8            | 54.4           | 45.3            | 55.4            | 41.6       | 11.2       | 21.5   | 25.5 |
| PPN734     | PPN735       | 09/03/87        | 76.0           | 72.2            | 71.8           | 55.5            | 72.0            | 53.0       | 15.5       | 27.2   | —    |
| PPN730     | PPN731       | 09/03/87        | 46.0           | 56.0            | 41.5           | 42.2            | 43.1            | 39.5       | 10.4       | 24.2   | 26.0 |
| PPN751     | PPN752       | 01/12/88        | 57.0           | 51.7            | 51.8           | 44.3            | 52.2            | 42.5       | 10.1       | 18.0   | 21.5 |
| PPN805     | PPN806       | 02/18/88        | 63.2           | 59.4            | 57.6           | 49.8            | 58.8            | 46.2       | 12.5       | 25.8   | 34.0 |
| PPN801     | PPN802       | 02/18/88        | 69.7           | 64.1            | 63.9           | 52.4            | 64.8            | 49.5       | 13.1       | 24.9   | 40.5 |
| PPN799     | PPN800       | 02/18/88        | 83.2           | 76.5            | 77.5           | 60.8            | 78.4            | 60.0       | 16.2       | 29.0   | 67.0 |
| PPN797     | PPN798       | 02/18/88        | 68.3           | 64.9            | 62.6           | 49.8            | 64.1            | 50.2       | 13.9       | 26.5   | 40.0 |
| PPN813     | PPN814       | 03/01/88        | 75.8           | 70.1            | 71.0           | 56.8            | 71.1            | 53.9       | 14.1       | 23.2   | 48.0 |
| PPN809     | PPN810       | 03/01/88        | 77.0           | 72.2            | 70.6           | 57.2            | 71.7            | 55.0       | 14.4       | 28.7   | 55.0 |
| X112       | X113         | 03/28/88        | 70.1           | 64.2            | 63.8           | 52.5            | 64.9            | 51.0       | 14.3       | 26.3   | 44.0 |
| X139       | X140         | 03/31/88        | 68.4           | 64.8            | 63.9           | 51.9            | 65.4            | 50.3       | 13.5       | 26.4   | 40.0 |
| Not Tagged |              | 04/22/88        | 65.8           | 61.1            | 61.1           | 49.2            | 62.0            | 46.3       | 12.5       | 19.0   | 31.0 |
| X147       | X148         | 04/22/88        | 57.2           | 53.4            | 53.1           | 47.3            | 54.1            | 42.1       | 11.1       | 21.2   | 25.0 |
| X145       | X146         | 04/22/88        | 86.2           | 78.6            | 80.0           | 63.3            | 81.0            | 61.8       | 16.5       | 29.0   | 75.0 |
| X162       | X163         | 05/17/88        | 67.0           | 64.7            | 63.5           | 52.7            | 64.5            | 48.5       | 13.2       | 24.5   | 41.0 |
| X166       | X167         | 05/18/88        | 70.5           | 64.9            | 66.5           | 54.2            | 67.3            | 51.9       | 13.2       | 24.4   | 45.0 |
| X164       | X165         | 05/18/88        | 64.3           | 62.7            | 60.5           | 49.5            | 61.6            | 47.0       | 11.3       | 21.4   | 32.0 |
| X172       | X173         | 05/19/88        | 63.3           | 63.5            | 60.0           | 52.6            | 61.5            | 48.5       | 12.1       | 24.9   | 38.0 |
| X170       | X171         | 05/19/88        | 77.4           | 75.3            | 73.7           | 58.4            | 74.2            | 57.0       | 15.0       | 26.9   | 57.0 |
| X176       | X177         | 05/19/88        | 69.4           | 67.8            | 64.3           | 53.8            | 65.8            | 50.1       | 13.9       | 23.2   | 39.0 |
| X189       | X190         | 05/27/88        | 73.5           | 69.8            | 69.8           | 58.4            | 71.2            | 54.8       | 13.1       | 27.2   | 53.0 |
| X149       | X150         | 06/01/88        | 66.0           | 63.2            | 61.2           | 49.2            | 62.5            | 46.4       | 12.8       | 21.2   | 31.0 |
| X206       | X207         | 06/08/88        | 69.0           | 67.0            | 63.2           | 53.5            | 65.8            | 52.6       | 13.0       | 24.8   | 45.0 |
| X210       | X211         | 06/10/88        | 61.5           | 60.4            | 57.3           | 49.5            | 58.0            | 43.9       | 11.9       | 22.3   | 37.0 |
| X216       | X217         | 06/15/88        | 70.2           | 65.0            | 65.5           | 51.5            | 66.3            | 50.1       | 12.5       | 26.3   | 43.0 |
| X220       | X221         | 06/15/88        | 61.8           | 60.7            | 58.0           | 47.4            | 59.1            | 46.6       | 11.0       | 24.0   | 34.0 |

| Tag Number |      | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|------------|------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|            |      |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| X230       | X231 | 06/15/88     | 65.5            | 62.4           | 60.3            | 49.6           | 61.1            | 46.7            | 12.4       | 26.5       | 38.0   |
| X226       | X227 | 06/16/88     | 80.8            | 73.8           | 70.6            | 58.1           | 74.3            | 54.8            | 15.1       | 30.2       | 61.0   |
| X255       | X256 | 06/28/88     | 57.8            | 55.5           | 53.3            | 46.5           | 54.0            | 43.7            | 12.5       | 20.2       | 29.5   |
| NNW685     | X242 | 06/17/88     | 65.5            | 59.6           | 60.2            | 49.4           | 60.8            | 46.8            | 12.8       | 24.8       | 36.0   |
| X243       | X244 | 06/17/88     | 63.8            | 62.0           | 58.9            | 50.6           | 60.5            | 44.7            | 13.6       | 25.6       | —      |
| X274       | X275 | 06/29/88     | 53.2            | 50.8           | 49.2            | 40.9           | 49.9            | 39.3            | 10.6       | 20.3       | 21.0   |
| X276       | X277 | 06/29/88     | 72.0            | 64.5           | 66.7            | 52.8           | 67.3            | 51.6            | 15.6       | 24.6       | 47.0   |
| X272       | X273 | 06/29/88     | —               | 66.0           | —               | 53.6           | —               | 48.0            | 14.0       | 24.2       | 43.5   |
| X270       | X271 | 06/29/88     | 63.2            | 56.6           | 57.9            | 49.2           | 58.9            | 46.6            | 12.2       | 24.6       | 34.5   |
| X282       | X283 | 07/01/88     | 67.3            | 63.5           | 62.4            | 52.3           | 63.8            | 49.0            | 12.3       | 24.9       | 39.5   |
| X286       | X287 | 07/08/88     | 51.0            | 50.7           | 47.0            | 41.7           | 47.1            | 37.5            | 10.1       | 20.1       | 19.0   |
| X284       | X285 | 07/08/88     | 87.6            | 83.0           | 82.0            | 64.0           | —               | 66.0            | 15.8       | 30.0       | —      |
| X299       | X300 | 07/22/88     | 67.4            | 60.1           | 62.0            | 48.3           | 62.3            | 48.4            | 14.4       | 25.4       | 39.0   |
| X313       | X314 | 07/28/88     | 74.5            | 71.4           | 70.3            | 56.2           | 71.3            | 51.5            | 14.0       | 31.5       | 57.0   |
| X334       | X335 | 08/31/88     | 71.2            | 67.6           | 67.6            | 53.5           | 68.5            | 52.2            | 13.3       | 25.7       | 41.0   |
| X328       | X329 | 08/31/88     | 69.7            | 60.7           | 66.3            | 48.8           | 67.0            | 49.7            | 14.7       | 24.3       | 42.0   |
| X326       | X327 | 08/31/88     | 79.5            | 71.2           | 75.3            | 57.8           | 76.7            | 58.5            | 17.3       | 26.8       | 60.0   |
| X339       | X340 | 09/08/88     | 82.0            | 77.6           | 75.5            | 65.0           | 77.2            | 49.0            | 16.0       | 29.7       | 65.0   |
| X325       | X338 | 09/08/88     | 64.2            | 62.0           | 61.0            | 49.5           | 62.2            | 45.6            | 12.5       | 23.2       | 38.0   |
| X323       | X324 | 09/08/88     | 67.0            | 63.2           | 62.5            | 47.8           | 63.2            | 45.8            | 13.2       | 25.2       | 36.0   |
| X343       | X344 | 09/28/88     | 71.8            | 65.6           | 64.3            | 54.4           | 65.3            | 50.4            | 14.3       | 28.6       | 47.0   |
| X349       | X350 | 11/16/88     | 81.3            | 76.8           | 75.6            | 61.9           | 76.2            | 59.8            | 16.8       | 29.2       | 70.0   |
| X347       | X348 | 11/16/88     | 67.0            | 62.5           | 60.7            | 49.4           | 61.3            | 45.5            | 13.8       | 24.3       | 36.0   |
| X351       | X352 | 11/16/88     | 63.8            | 62.0           | 59.9            | 51.4           | 61.3            | 48.7            | 13.0       | 21.7       | 36.5   |
| X356       | X357 | 11/30/88     | 74.8            | 67.5           | 67.5            | 54.6           | 68.7            | 51.8            | 14.0       | 29.0       | 52.0   |
| X392       | X393 | 12/09/88     | 57.4            | 55.8           | 52.8            | 43.9           | 54.4            | 43.0            | 11.3       | 21.2       | 25.0   |
| X390       | X391 | 12/09/88     | 87.0            | 76.7           | 80.9            | 63.4           | 81.8            | 62.0            | 19.2       | 29.9       | 77.0   |
| X383       | X384 | 12/09/88     | 66.3            | 61.2           | 61.9            | 49.0           | 62.5            | 47.6            | 14.0       | 24.1       | 37.0   |
| BP509      | X706 | 01/16/89     | 79.2            | 72.2           | 73.7            | 57.9           | 75.2            | 57.2            | 15.0       | 29.9       | 56.0   |
| BP510      | X707 | 01/31/89     | 76.3            | 71.3           | 68.2            | 58.2           | 69.2            | 50.5            | 14.9       | 28.6       | 52.0   |
| X713       | X714 | 03/21/89     | 61.2            | 58.9           | 57.9            | 50.4           | 59.4            | 47.1            | 11.4       | 24.1       | 35.0   |

| Tag Number     | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|----------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|                |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BP518 X712     | 03/21/89     | 82.2            | 73.5           | 77.8            | 61.3           | 79.0            | 56.9            | 16.8       | 30.2       | 75.0   |
| BP560 X767     | 07/27/89     | 69.6            | 67.0           | 65.9            | 55.1           | 66.9            | 51.4            | 13.3       | 26.5       | 45.0   |
| BP575 X781     | 08/22/89     | 67.7            | 63.4           | 63.4            | 46.9           | 63.5            | 45.7            | 13.6       | 24.5       | 38.0   |
| BP576 X782     | 08/22/89     | 60.7            | 52.3           | 55.8            | 44.1           | 56.8            | 42.6            | 10.8       | 22.6       | 28.0   |
| BP1408 X1514   | 11/24/89     | 59.9            | 57.0           | 54.0            | 46.5           | 55.8            | 44.9            | 11.9       | 22.6       | 32.0   |
| BP1406 X1512   | 11/24/89     | 61.9            | 59.4           | 56.8            | 48.3           | 57.8            | 45.6            | 12.0       | 24.5       | 34.0   |
| BP1417 X1517   | 03/12/90     | 83.7            | 78.5           | 77.1            | 59.0           | 77.8            | 58.9            | 15.2       | 33.5       | ---    |
| BP1424 X1524   | 03/16/90     | 64.6            | 60.3           | 58.2            | 49.1           | 59.1            | 45.4            | 11.2       | 17.0       | 28.0   |
| BP1427 X1526   | 05/14/90     | 60.3            | 59.2           | 55.6            | 45.8           | 55.6            | 42.4            | 11.9       | 23.5       | 30.0   |
| BP1426 PPY028  | 05/14/90     | 55.5            | 53.1           | 49.9            | 44.2           | 50.0            | 39.3            | 9.0        | 21.1       | 23.0   |
| BP1431 X1530   | 05/15/90     | 69.0            | 64.5           | 65.0            | 51.5           | 65.9            | 51.3            | 12.2       | 22.5       | 42.0   |
| BP1441 X1532   | 05/15/90     | 61.9            | 59.8           | 58.0            | 50.8           | 59.5            | 48.0            | 12.3       | 23.2       | 34.0   |
| BP1435 X1535   | 05/18/90     | 64.5            | 60.6           | 58.5            | 48.6           | 61.3            | 47.4            | 11.2       | 23.7       | 36.0   |
| BP1442 X1540   | 05/29/90     | 65.2            | 60.5           | 60.3            | 50.9           | 62.9            | 46.6            | 14.1       | 22.0       | ----   |
| BP1446 X1545   | 06/12/90     | 66.1            | 62.2           | 61.0            | 50.9           | 61.5            | 46.2            | 12.8       | 25.1       | 38.0   |
| BP1447 X1546   | 06/15/90     | 65.7            | 59.8           | 60.7            | 50.3           | 61.6            | 47.0            | 12.0       | 25.1       | 36.0   |
| BP1459 X1557   | 07/18/90     | 58.3            | 55.4           | 55.8            | 47.1           | 56.3            | 43.0            | 10.6       | 22.3       | 27.0   |
| BP1474 X1573   | 09/04/90     | 84.8            | 74.6           | 78.3            | 63.3           | 80.5            | 60.7            | 18.3       | 30.8       | 75.0   |
| BP1475 X1575   | 09/04/90     | 68.9            | 70.5           | 63.3            | 56.6           | 64.8            | 55.1            | 14.4       | 26.9       | 52.0   |
| BP1478 X1577   | 09/04/90     | 58.1            | 55.7           | 52.4            | 44.3           | 53.2            | 43.1            | 12.2       | 24.1       | 34.0   |
| BP1485 X1583   | 03/12/91     | 81.1            | 75.3           | 74.4            | 61.2           | 76.9            | 58.6            | 15.6       | 28.0       | 65.0   |
| BP1488 X1586   | 05/21/91     | 83.9            | 74.3           | 79.4            | 61.6           | 81.4            | 60.2            | 18.9       | 26.6       | 71.0   |
| BP1491 X1589   | 05/28/91     | 63.8            | 64.0           | 59.1            | 49.9           | 61.0            | 47.2            | 13.7       | 26.1       | 38.5   |
| BBA687 X1600   | 06/04/91     | 47.2            | 45.6           | 44.4            | 37.7           | 44.7            | 33.0            | 10.6       | 16.4       | 18.0   |
| BBA695 X2209   | 06/20/91     | 68.6            | 61.3           | 62.9            | 48.9           | 63.8            | 48.3            | 14.4       | 28.1       | 47.0   |
| BBC360 PPW648  | 06/26/91     | 57.2            | 53.8           | 52.5            | 45.0           | 53.0            | 42.0            | 11.5       | 21.8       | 29.5   |
| BBA699 X2214   | 06/27/91     | 67.1            | 63.4           | 63.2            | 51.7           | 63.5            | 49.3            | 13.6       | 25.3       | 41.0   |
| BBA740 X2224   | 07/16/91     | 62.9            | 59.2           | 58.1            | 49.0           | 59.5            | 45.7            | 11.7       | 24.2       | 35.0   |
| QQH730 QHQH731 | 07/16/91     | 63.0            | 61.6           | 58.3            | 48.6           | 59.2            | 45.2            | 12.4       | 24.1       | 38.0   |
| BBA747 X2248   | 11/29/91     | 64.2            | 59.9           | 58.7            | 47.4           | 61.2            | 46.7            | 11.6       | 21.3       | 33.0   |
| BBA746 X2247   | 11/29/91     | 76.0            | 75.0           | 70.9            | 59.1           | 72.6            | 56.0            | 16.1       | 28.9       | 64.0   |

| Tag Number              | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|-------------------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|                         |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BBA753 X2278            | 03/10/92     | 61.0            | 58.8           | 55.6            | 48.1           | 56.9            | 45.2            | 11.3       | 24.6       | 33.5   |
| BBA755 X2281            | 05/12/92     | 66.5            | 65.3           | 62.5            | 52.1           | 64.1            | 47.3            | 13.0       | 22.6       | 41.0   |
| BBA754 X2280            | 05/12/92     | 61.9            | 57.6           | 57.0            | 48.6           | 58.5            | 42.6            | 11.5       | 21.6       | 32.0   |
| BBA758 X2284            | 05/13/92     | 67.7            | 64.2           | 62.9            | 53.2           | 64.4            | 50.5            | 13.2       | 27.5       | 49.0   |
| BBA757 X2283            | 05/13/92     | 73.7            | 69.0           | 70.6            | 56.1           | 72.4            | 51.2            | 14.2       | 28.2       | 55.0   |
| BBA762 X2286            | 05/14/92     | 59.6            | 57.4           | 53.1            | 46.1           | 53.9            | 42.5            | 11.2       | 23.9       | 30.5   |
| BBA763 X2287            | 05/15/92     | 69.3            | 63.9           | 64.8            | 51.6           | 65.8            | 52.1            | 12.6       | 26.1       | —      |
| BBA769 X2294            | 05/22/92     | 61.0            | 58.8           | 56.5            | 48.0           | 57.3            | 45.3            | 11.5       | 23.7       | 34.0   |
| BBA775 X2300            | 06/02/92     | 76.3            | 65.6           | 70.0            | 58.4           | 71.5            | 51.8            | 15.3       | 27.3       | 50.0   |
| BBA774 X2298            | 06/02/92     | 57.3            | 53.2           | 53.3            | 44.6           | 54.4            | 41.3            | 10.6       | 21.4       | 29.0   |
| BBC427 QQN422           | 06/02/92     | 63.0            | 57.9           | 58.7            | 47.4           | 59.6            | 44.7            | 13.0       | 23.2       | 37.0   |
| BP2505 X4181            | 07/07/92     | 64.3            | 59.9           | 59.8            | 48.3           | 60.9            | 47.9            | 11.6       | 24.8       | 39.0   |
| BBA856 QQC635           | 07/07/92     | 55.9            | 49.7           | 50.9            | 40.5           | 52.7            | 42.1            | 10.0       | 21.8       | 26.0   |
| BP2517 X4189            | 07/16/92     | 65.5            | 60.0           | 61.6            | 50.4           | 64.2            | 51.6            | 12.5       | 25.2       | 40.0   |
| BP2519 X4191            | 07/17/92     | 75.1            | 64.1           | 69.8            | 53.6           | 70.9            | 53.3            | 14.2       | 28.0       | —      |
| BP2521 X4193            | 07/17/92     | 85.8            | 84.6           | 81.1            | 62.0           | 83.0            | 83.0            | 16.5       | 28.5       | 60.5   |
| BP2520 X4192            | 07/17/92     | 55.4            | 50.4           | 51.6            | 43.7           | 52.9            | 40.9            | 10.7       | 20.6       | 26.0   |
| BP2526 X4198            | 07/28/92     | 68.2            | 64.9           | 63.3            | 51.1           | 63.8            | 48.0            | 14.0       | 26.0       | 44.0   |
| BP2525 X4197            | 07/28/92     | 63.5            | 59.4           | 59.6            | 48.4           | 59.9            | 47.2            | 11.9       | 21.6       | 34.0   |
| BP2524 X4196            | 07/28/92     | 71.6            | 64.9           | 66.7            | 53.8           | 67.9            | 52.4            | 12.9       | 26.9       | 49.0   |
| BP2523 X4195            | 07/28/92     | 60.3            | 57.8           | 56.4            | 47.8           | 57.6            | 44.1            | 11.7       | 22.8       | 33.0   |
| BP2522 X4194            | 07/28/92     | 58.6            | 57.0           | 54.5            | 47.2           | 55.5            | 42.9            | 10.6       | 20.0       | 28.0   |
| BP2538 X4335            | 08/11/92     | 58.0            | 59.6           | 54.4            | 46.2           | —               | 41.4            | 11.2       | 22.2       | 30.0   |
| BP2541 X4339            | 08/21/92     | 66.2            | 63.3           | 60.3            | 51.7           | 61.0            | 47.5            | 12.8       | 24.7       | 41.0   |
| BP2539 X4336            | 08/21/92     | 63.0            | 56.2           | 58.3            | 48.1           | 59.1            | 41.5            | 10.9       | 20.9       | 34.0   |
| BP2551 X4349            | 11/24/92     | 58.7            | 54.4           | 52.7            | 44.7           | 53.3            | 42.6            | 10.5       | 21.8       | 28.5   |
| BBC633 QQB534<br>QQB535 | 12/04/92     | 58.1            | 48.4           | 53.4            | 39.9           | 54.3            | 43.1            | 10.6       | 18.4       | 28.0   |
| BP2563 X4451            | 01/18/93     | 56.0            | 53.3           | 51.9            | 43.0           | 52.6            | 39.3            | 11.6       | 21.2       | 26.0   |
| BP2585 X4469            | 05/19/93     | 58.4            | 57.2           | 53.8            | 45.8           | 54.8            | 43.4            | 11.4       | 23.7       | 30.0   |
| BP2586 X4470            | 05/19/93     | 61.5            | 58.0           | 58.0            | 46.8           | 58.2            | 44.6            | 12.1       | 23.4       | 33.0   |
| BP2588 X4472            | 05/27/93     | 54.4            | 52.4           | 51.2            | 42.5           | 52.1            | 40.4            | 10.1       | 22.4       | 27.0   |

| Tag Number   | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|--------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP2608 N2045 | 06/25/93     | 65.5                   | 64.1                  | 62.8                     | 52.1                    | 63.9                  | 48.0            | 13.4       | 24.8       | 43.0   |
| BP2650 N2340 | 07/14/93     | ----                   | ----                  | 62.7                     | 52.1                    | 64.7                  | 50.9            | 12.6       | 23.6       | 45.0   |
| BP2652 N2343 | 07/15/93     | 61.2                   | 56.3                  | 55.0                     | 45.5                    | 56.0                  | 43.0            | 12.2       | 21.7       | 33.0   |
| BP2668 N2384 | 07/30/93     | 62.2                   | 61.1                  | 58.7                     | 51.5                    | 60.2                  | 45.8            | 12.1       | 22.2       | 38.0   |
| BP2666 N2382 | 07/30/93     | 65.9                   | 62.0                  | 62.0                     | 51.5                    | 62.5                  | 50.2            | 12.5       | 22.3       | 43.0   |
| BP2673 N2392 | 08/05/93     | 63.2                   | 61.4                  | 58.0                     | 49.8                    | 60.1                  | 43.9            | 11.8       | 20.6       | 39.0   |
| BP2679 N2395 | 08/11/93     | 70.4                   | 68.0                  | 65.6                     | 55.0                    | 66.3                  | 52.2            | 13.4       | 26.0       | 54.0   |
| BP2678 N2394 | 08/11/93     | 53.2                   | 48.9                  | 47.7                     | 40.6                    | 47.8                  | 38.5            | 10.5       | 20.6       | 24.0   |
| BP2682 N2397 | 08/12/93     | 55.6                   | 55.0                  | 51.9                     | 43.9                    | 52.8                  | 40.6            | 10.8       | 21.0       | 30.0   |
| BP3131 N3075 | 02/18/94     | 65.1                   | 58.7                  | 59.3                     | 49.1                    | 60.0                  | 47.0            | 12.4       | 24.0       | 40.5   |
| BP3152 N3144 | 05/24/94     | 55.7                   | 59.2                  | 53.5                     | 45.0                    | 53.9                  | 40.2            | 11.0       | 22.3       | 33.0   |
| BP3149 N3125 | 05/24/94     | 84.9                   | 76.2                  | 79.3                     | 61.8                    | 80.8                  | 60.3            | 16.5       | 31.5       | 87.0   |
| BP3156 N3148 | 05/26/94     | 65.3                   | 62.5                  | 60.9                     | 51.2                    | 62.1                  | 49.2            | 12.5       | 22.4       | 42.0   |
| BP3155 N3147 | 05/26/94     | 63.3                   | 59.9                  | 58.5                     | 49.2                    | 60.0                  | 46.7            | 11.0       | 21.3       | 37.0   |
| BP3154 N3146 | 05/26/94     | 61.7                   | 58.0                  | 58.6                     | 48.7                    | 59.8                  | 46.5            | 12.3       | 20.6       | 35.0   |
| BP3153 N3145 | 05/26/94     | 61.7                   | 62.1                  | 58.7                     | 51.9                    | 59.4                  | 47.1            | 12.3       | 25.7       | 34.0   |
| BP3161 N3188 | 05/31/94     | 65.4                   | 61.6                  | 60.6                     | 48.5                    | 60.9                  | 45.5            | 12.6       | 24.9       | 44.0   |
| BP3165 N3191 | 06/02/94     | 67.4                   | 62.4                  | 62.4                     | 51.2                    | 63.8                  | 47.7            | 12.9       | 24.1       | 43.0   |
| BP3164 N3190 | 06/02/94     | 62.0                   | 57.4                  | 59.5                     | 50.8                    | 61.2                  | 45.5            | 11.2       | 23.1       | 35.5   |
| BP3170 N3195 | 06/03/94     | 65.4                   | 61.1                  | 60.5                     | 49.5                    | 61.2                  | 46.7            | 12.9       | 22.3       | 39.0   |
| BP3181 N3196 | 06/03/94     | 53.3                   | 49.3                  | 48.1                     | 40.9                    | 48.8                  | 37.7            | 10.6       | 20.8       | 26.5   |
| BP3174 N3197 | 06/10/94     | 73.8                   | 68.5                  | 68.4                     | 54.2                    | 69.9                  | 54.0            | 14.5       | 25.9       | —      |
| BP3177 N4502 | 06/13/94     | 64.8                   | 61.7                  | 60.8                     | 52.8                    | 62.2                  | 45.1            | 13.1       | 25.4       | 44.0   |
| BP3178 N3199 | 06/13/94     | 63.0                   | 57.8                  | 57.8                     | 48.2                    | 59.0                  | 45.8            | 10.8       | 23.9       | 34.5   |
| BP3182 N4513 | 07/05/94     | 59.0                   | 55.6                  | 55.8                     | 46.6                    | 57.1                  | 41.0            | 11.9       | 24.0       | 36.0   |
| BP3184 N4508 | 07/08/94     | 65.8                   | 61.9                  | 60.9                     | 51.6                    | 64.0                  | 47.3            | 12.0       | 24.8       | 40.0   |
| BP3195 N5201 | 07/22/94     | 69.1                   | 65.3                  | 62.7                     | 53.1                    | 63.8                  | 50.9            | 11.7       | 22.7       | 43.0   |
| BP3197 N5204 | 07/25/94     | 61.4                   | 59.2                  | 57.2                     | 46.8                    | 57.9                  | 45.6            | 12.4       | 23.7       | 36.0   |
| BP3199 N5203 | 07/25/94     | 71.5                   | 64.5                  | 65.6                     | 52.8                    | 67.4                  | 50.9            | 13.5       | 26.3       | —      |
| BP3198 N5205 | 07/25/94     | 76.6                   | 71.3                  | 70.3                     | 54.7                    | 70.6                  | 52.2            | 13.2       | 27.7       | 58.0   |
| BP3209 N5215 | 08/09/94     | 58.9                   | 53.0                  | 54.4                     | 44.4                    | 55.5                  | 42.1            | 11.5       | 20.3       | 28.8   |

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BP3259 X6002  | 05/08/95     | 63.9            | 62.8           | 61.2            | 52.0           | 62.0            | 46.3            | 12.9       | 23.9       | 43.0   |
| BP3264 X6009  | 05/11/95     | 58.3            | 59.4           | 55.0            | 50.3           | 55.8            | 44.5            | 12.3       | 23.0       | 36.0   |
| BBE005 QQJ020 | 06/06/95     | 71.9            | 66.8           | 63.0            | 54.2           | 64.2            | 49.5            | 12.9       | 24.4       | 50.0   |
| BP5524 X6058  | 06/20/95     | 84.0            | 78.5           | 76.3            | 60.8           | 77.9            | 57.5            | 14.4       | 28.6       | 69.0   |
| BP5523 X6050  | 06/20/95     | 65.4            | 58.9           | 58.7            | 48.1           | 59.2            | 45.5            | 11.0       | 22.2       | 38.0   |
| BP5522 X6049  | 06/20/95     | 60.5            | 60.5           | 56.5            | 48.3           | 57.4            | 43.5            | 11.0       | 22.8       | 35.0   |
| BP5551 X6027  | 06/30/95     | 64.1            | 57.3           | 57.3            | 47.0           | 60.2            | 44.7            | 11.8       | 23.7       | 43.0   |
| BP5550 N6283  | 06/30/95     | 64.5            | 61.6           | 59.8            | 47.3           | 60.3            | 45.2            | 11.5       | 23.3       | 40.0   |
| BP5552 X6032  | 07/06/95     | 70.5            | 66.6           | 65.5            | 54.2           | 67.0            | 51.1            | 12.3       | 26.2       | 53.0   |
| BP5567 X6083  | 07/25/95     | 64.6            | 62.7           | 61.2            | 50.4           | 62.9            | 47.3            | 11.3       | 23.5       | 41.0   |
| BP5568 X6084  | 07/25/95     | 60.2            | 56.8           | 55.6            | 44.9           | 57.0            | 42.9            | 12.4       | 22.9       | 35.0   |
| BP5569 X6085  | 07/25/95     | 66.7            | 61.5           | 62.9            | 50.4           | 63.9            | 48.5            | 12.6       | 24.6       | 41.0   |
| BP5588 X6097  | 09/21/95     | 96.4            | 67.6           | 72.6            | 56.6           | 73.9            | 53.2            | 15.0       | 25.5       | 55.5   |
| BP5590        | 09/21/95     | 71.2            | 65.5           | 66.3            | 53.0           | 67.0            | 51.0            | 14.3       | 27.4       | 51.0   |
| BP5589 X6098  | 09/21/95     | 61.4            | 56.3           | 55.2            | 44.7           | 55.8            | 42.2            | 12.4       | 23.9       | 34.0   |
| BP5592 X6100  | 09/22/95     | 70.1            | 65.7           | 63.7            | 51.6           | 64.1            | 48.9            | 13.0       | 25.4       | 49.5   |
| BP5594 X6128  | 09/22/95     | 63.3            | 62.8           | 59.9            | 62.2           | 61.4            | 36.4            | 12.8       | 24.2       | 40.0   |
| BP5601 X6110  | 11/21/95     | 63.1            | 57.9           | 56.7            | 47.0           | 58.1            | 46.0            | 12.0       | 23.0       | 33.0   |
| BP5610 X6119  | 12/05/95     | 62.9            | 58.8           | 58.5            | 49.1           | 59.4            | 44.0            | 12.2       | 22.4       | 37.0   |
| BP5692 X6199  | 02/22/96     | 61.2            | 57.7           | 56.2            | 46.6           | 57.5            | ----            | 10.3       | 22.0       | 35.0   |
| BP5676 N6373  | 02/22/96     | 61.9            | 61.7           | 57.7            | 50.4           | 58.8            | 46.4            | 12.5       | 23.6       | 36.0   |
| BP4511 X4711  | 03/13/96     | 63.8            | 61.3           | 58.3            | 50.3           | 59.2            | 46.0            | 10.3       | 23.2       | 36.0   |
| BP4531 X4731  | 03/13/96     | 68.4            | 52.5           | 63.0            | 51.3           | 65.8            | 50.8            | 12.0       | 24.1       | 43.0   |
| BP4507 X4707  | 03/13/96     | 52.2            | 48.9           | 49.1            | 39.7           | 49.4            | 38.1            | 10.4       | 18.0       | 18.0   |
| BP4535 X4734  | 03/14/96     | 61.8            | 58.9           | 57.8            | 47.0           | 59.2            | 45.2            | 11.0       | 23.8       | 37.0   |
| BP4515 X4714  | 03/14/96     | 61.1            | 55.4           | 55.4            | 43.6           | 56.7            | 45.3            | 11.0       | ----       | ----   |
| BP4596 X4796  | 05/13/96     | 65.9            | 63.0           | 59.9            | 49.1           | 61.4            | 47.7            | 11.4       | 24.6       | 36.0   |
| BP6601 X4801  | 05/15/96     | 57.8            | 57.5           | 53.1            | 46.9           | 54.3            | 44.3            | 9.4        | 19.5       | 28.5   |
| BP6610 X4810  | 05/17/96     | 73.0            | 69.0           | 67.0            | 55.6           | 68.2            | 52.0            | 13.7       | 25.6       | 46.0   |
| BP6643 X4843  | 05/31/96     | 65.8            | 62.5           | 60.1            | 51.2           | 61.1            | 47.2            | 11.9       | 23.4       | 40.0   |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| Number     | 427          | 427             | 428            | 430             | 427            | 429             | 430             | 319        | 410        |        |
| Median     | 66.8         | 62.8            | 62.0           | 51.2            | 63.0           | 48.4            | 12.8            | 24.4       | 39.0       |        |
| Mean       | 67.9         | 63.7            | 62.6           | 51.5            | 63.8           | 48.8            | 13.0            | 24.7       | 41.4       |        |
| Std. Dev.  | 8.5          | 7.3             | 7.9            | 5.6             | 8.1            | 6.1             | 1.9             | 3.1        | 13.4       |        |
| Minimum    | 46.0         | 44.3            | 41.5           | 31.7            | 43.1           | 23.0            | 7.8             | 16.4       | 11.4       |        |
| Maximum    | 96.4         | 84.6            | 82.5           | 65.5            | 86.0           | 83.0            | 26.0            | 35.2       | 87.0       |        |

Table 18. Morphometrics of adult loggerheads from the central region of the Indian River Lagoon System.

| Sex    | Tag Number | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|--------|------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| Female | K1949      | 07/15/82     | 90.5                   | 79.0                  | 84.6                     | 61.7                    | 85.4                  | 59.9            | 19.0       | —          | 84.1   |
| Female | K1984      | 06/02/83     | 98.6                   | 90.3                  | 91.6                     | 69.4                    | 93.7                  | 70.9            | 18.6       | —          | —      |
| Female | K1985      | 06/02/83     | 95.6                   | 91.1                  | 88.8                     | 71.4                    | 91.0                  | 69.0            | 17.2       | —          | —      |
| Female | K3706      | 07/14/83     | 92.2                   | 87.7                  | 86.2                     | 66.3                    | 88.0                  | 65.3            | 16.7       | —          | —      |
| Female | D3442      | 07/15/83     | 95.8                   | 85.9                  | 86.0                     | 68.0                    | 88.0                  | 69.2            | 14.9       | —          | 88.6   |
| Female | K1994      | 07/28/83     | 99.5                   | 91.8                  | 93.5                     | 72.7                    | 95.5                  | 70.5            | 20.8       | —          | —      |
| Female | K3743      | 06/05/84     | 93.2                   | 85.8                  | 86.5                     | 67.2                    | 87.9                  | 65.7            | 17.2       | —          | —      |
| Female | K3773      | 07/05/84     | 97.3                   | 90.5                  | 92.2                     | 68.6                    | 94.4                  | 72.7            | 19.0       | —          | —      |
| Female | K3774      | 07/05/84     | 100.6                  | 92.0                  | 92.9                     | 67.3                    | 93.4                  | 70.5            | 18.4       | —          | —      |
|        | NNW662     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Male   | NNV862     | 04/29/86     | 102.5                  | 91.0                  | 94.6                     | 67.7                    | 96.2                  | 67.0            | 20.0       | —          | —      |
|        | NNW696     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | NNV896     | 06/09/86     | 109.3                  | 98.2                  | 101.7                    | 76.8                    | 102.5                 | —               | 19.4       | —          | —      |
|        | NNZ389     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | K6266      | 08/13/86     | 89.8                   | 86.2                  | 85.0                     | 67.8                    | 86.2                  | 91.6            | 17.5       | 33.0       | —      |
|        | PPJ068     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | PPJ069     | 01/08/87     | 89.1                   | 84.0                  | 86.3                     | 68.2                    | 88.6                  | 66.4            | 16.5       | 33.1       | 84.0   |
|        | PPJ186     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | PPJ188     | 05/22/87     | 96.8                   | 90.4                  | 91.0                     | 66.4                    | 92.2                  | 67.5            | 17.1       | 36.3       | —      |
|        | PPJ190     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | PPJ191     | 05/28/87     | 99.0                   | 94.5                  | 95.5                     | 71.2                    | 97.5                  | 74.0            | 25.3       | 37.8       | —      |
|        | PPJ267     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | PPJ267     | 06/30/87     | —                      | —                     | 93.0                     | 68.9                    | —                     | —               | 20.2       | —          | —      |
|        | X110       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X111       | 03/28/88     | 100.0                  | 71.2                  | 93.0                     | 91.0                    | —                     | 68.0            | 20.9       | —          | —      |
|        | PPN828     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | PPN829     | 04/22/88     | 109.4                  | 96.3                  | 103.0                    | 79.0                    | —                     | —               | 19.1       | —          | —      |
|        | X174       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X175       | 05/19/88     | 102.9                  | 95.3                  | 94.9                     | 73.3                    | 96.7                  | —               | 18.5       | —          | —      |
|        | X214       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X215       | 06/14/88     | 98.8                   | 89.4                  | 95.0                     | 73.5                    | —                     | 71.9            | 17.6       | —          | —      |
|        | X288       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X289       | 07/08/88     | 92.2                   | 92.5                  | 86.5                     | 70.2                    | 89.7                  | 66.5            | 17.4       | 36.1       | —      |
|        | X305       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X306       | 07/26/88     | —                      | —                     | —                        | —                       | —                     | —               | —          | —          | —      |
|        | X731       |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X731       | 06/01/89     | —                      | —                     | —                        | —                       | —                     | —               | —          | —          | —      |
|        | BBA688     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X2201      | 06/07/91     | 93.6                   | 80.0                  | 90.8                     | 66.7                    | 92.0                  | 64.0            | 17.4       | 27.0       | 82.0   |

| Sex    | Tag Number | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|--------|------------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
|        | BP2536     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X4333      | 08/11/92     | 99.2                   | 94.6                  | 93.3                     | 71.6                    | 95.1                  | 72.6            | 20.4       | 33.4       | ----   |
|        | BP2581     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X4466      | 05/07/93     | 96.3                   | 89.7                  | 93.2                     | 71.6                    | 96.2                  | ----            | 21.1       | 36.9       | 90.0   |
|        | N3141      |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | N3142      | 05/24/94     | 106.6                  | 100.2                 | 98.8                     | 74.9                    | ----                  | ----            | ----       | ----       | ----   |
|        | N3186      |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | N3187      | 05/27/94     | ----                   | ----                  | 97.7                     | 70.5                    | ----                  | ----            | 18.1       | ----       | ----   |
|        | X6126      |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Female | X6127      | 09/22/95     | 90.8                   | 75.0                  | 84.7                     | 62.2                    | 86.2                  | 63.7            | 17.8       | 33.0       | ----   |
|        | BP6603     |              |                        |                       |                          |                         |                       |                 |            |            |        |
| Male   | X4805      | 05/15/96     | 100.5                  | 84.7                  | 95.5                     | 67.8                    | 97.5                  | ----            | 18.7       | 24.3       | ----   |
| Male   | BP6649     | 05/28/96     | 96.1                   | 89.1                  | 88.7                     | 72.5                    | 90.4                  | 67.2            | 20.3       | ----       | ----   |

Table 19. Carapace length data obtained from loggerheads in developmental habitats along the U.S. Atlantic Coast and the Florida Keys. Measurements are in centimeters.

| Location  | How Obtained                              | Measurement              | Mean | Range       | n     | Source                          |
|---|---|--------------------------|------|-------------|-------|---------------------------------|
| Central Region of the Indian River Lagoon System, FL  | Tangle Net                                | Standard Carapace Length | 64.7 | 43.4-103.0  | 403   | ---                             |
| Northern Region of the Indian River Lagoon System, FL | Tangle Net and Cold Stunned (1977 & 1981) | Standard Carapace Length | 65.8 | 44.0-93.0   | 205   | Ehrtart (1983)                  |
| Northern Region of the Indian River Lagoon System, FL | Cold Stunned                              | Standard Carapace Length | 70.8 | 61.0-82.4   | 7     | Witherington and Ehrhart (1988) |
| Northern Region of the Indian River Lagoon System, FL | Cold Stunned                              | Standard Carapace Length | 66.6 | 50.9-86.5   | 10    | Schroeder et al. (1990)         |
| Cape Canaveral, FL                                    | Shrimp Trawl                              | Standard Carapace Length | ---  | 47.5-97.5*  | 139   | Ogren and McVea (1987)          |
| Cape Canaveral, FL                                    | Shrimp Trawl                              | Total Carapace Length    | 73.2 | 46.0-110.0* | 3,679 | Henwood (1987)                  |
| Nearshore Waters Hutchinson Isl. FL                   | Power Plant Intake Canal                  | Minimum Carapace Length  | 65.8 | 42.5-122.5* | 1,322 | Ernest, et al. (1989)           |
| Florida Keys  | Strandings                                | Curved Carapace Length   | ---  | 14.0-121.0  | 111   | Wells and Bellmund (1990)       |
| Long Island Sound, NY                                 | Cold Stunned                              | Standard Carapace Length | 49.5 | 36.6-59.6   | 27    | Morreale et al. (1992)          |

| Location                                | How Obtained                               | Measurement              | Mean  | Range        | n   | Source                      |
|---|--|--------------------------|-------|--------------|-----|-----------------------------|
| Delaware Bay, NJ                        | Power Plant Intake Pipe                    | Not Stated               | ---   | 26.0-80.0*   | 18  | Eggers (1989)               |
| Chesapeake Bay and Coastal Waters of VA | Strandings and Pound Nets                  | Curved Carapace Length   | 74.0  | 21.6-122.0   | 312 | Lulcavage and Musick (1985) |
| North Carolina                          | Strandings                                 | Standard Carapace Length | ---   | 15.0-125.0*  | 371 | Crouse (1988)               |
| Pamlico and Core Sounds, NC             | Incidental Capture by Commercial Fishermen | Curved Carapace Length   | 66.0  | 42.0-105.0   | 70  | Epperly et al. (1995)       |
| Georgia Coastal Waters                  | Shrimp Trawls                              | Not Stated               | 62.8* | 50.0-97.5*   | 19  | Hillestad et al. (1978)     |
| Georgia Coastal Waters                  | Strandings                                 | Not Stated               | 70.4* | .47.5-102.5* | 149 | Hillestad et al. (1978)     |

\*estimated from graph

Table 20. Morphometrics of initial capture juvenile green turtles from the Sabellariid worm reefs, Indian River Co., Florida. Summary statistics are at the end of the table.

| Tag Number |        | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Head Width | Body Depth | Weight |      |
|------------|--------|--------------|-----------------|----------------|-----------------|----------------|-----------------|------------|------------|--------|------|
|            |        |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |            |            |        |      |
| BP536      | X738   | 06/27/89     | 40.1            | 33.9           | 37.6            | 29.8           | 37.6            | 31.5       | 6.0        | 14.3   | 7.7  |
| X742       | X743   | 06/27/89     | 33.5            | 30.1           | 32.0            | 26.8           | 32.2            | 26.8       | 5.1        | 13.2   | 5.4  |
| BP537      | X744   | 06/28/89     | 28.9            | 24.4           | 26.7            | 21.2           | 27.1            | 23.0       | 4.8        | 10.0   | 3.1  |
| BP538      | X745   | 06/28/89     | 34.8            | 29.4           | 32.6            | 25.2           | 33.0            | 28.2       | 5.1        | 12.6   | 4.8  |
| BP539      | X739   | 06/28/89     | 30.6            | 26.6           | 28.9            | 22.3           | 29.0            | 24.4       | 4.5        | 11.0   | 3.4  |
| BP540      | X746   | 07/05/89     | 34.8            | 31.2           | 32.4            | 26.5           | 32.6            | 27.0       | 5.2        | 14.1   | 5.4  |
| BP541      | X740   | 07/05/89     | 35.6            | 31.2           | 33.7            | 27.4           | 34.0            | 28.0       | 5.5        | 12.3   | 5.5  |
| BP542      | PPG677 | 07/06/89     | 35.6            | 30.5           | 33.9            | 28.3           | 34.1            | 29.0       | 5.4        | 12.2   | 5.2  |
| BP544      | X750   | 07/10/89     | 48.3            | 42.5           | 45.3            | 35.1           | 44.5            | 39.2       | 6.3        | 16.8   | 15.0 |
| BP543      | X747   | 07/10/89     | 31.5            | 27.4           | 29.2            | 23.2           | 29.2            | 25.6       | 4.2        | 11.9   | 3.7  |
| BP545      | X752   | 07/11/89     | 46.5            | 41.1           | 44.0            | 33.5           | 44.0            | 37.6       | 6.3        | 17.3   | 14.0 |
| BP548      | X754   | 07/19/89     | 29.8            | 24.9           | 28.9            | 22.5           | 29.0            | 24.3       | 4.4        | 10.8   | 3.1  |
| BP562      | X741   | 07/31/89     | 41.5            | 35.1           | 39.3            | 30.8           | 39.8            | 32.0       | 6.0        | 14.8   | 8.5  |
| BP563      | X769   | 08/09/89     | 32.5            | 28.1           | 30.6            | 24.2           | 30.6            | 26.5       | 4.1        | 11.7   | 4.0  |
| BP564      | X770   | 08/11/89     | 37.0            | 31.7           | 35.8            | 27.2           | 36.3            | 29.4       | 5.2        | 13.5   | 6.4  |
| BP565      | X771   | 08/15/89     | 40.4            | 34.7           | 37.6            | 29.5           | 37.9            | 30.9       | 5.8        | 14.6   | 7.5  |
| BP589      | X793   | 09/13/89     | 30.5            | 25.4           | 29.3            | 22.2           | 29.5            | 25.1       | 4.5        | 10.8   | 3.5  |
| BP593      | X797   | 10/18/89     | 66.0            | 57.3           | 62.2            | 46.8           | 62.2            | 52.1       | 9.3        | 27.0   | 36.0 |
| BP1452     | X1550  | 07/05/90     | 67.6            | 59.6           | 61.7            | 47.9           | 62.0            | 52.3       | 8.8        | 27.0   | 38.0 |
| BP1456     | X1554  | 07/06/90     | 41.5            | 34.5           | 39.6            | 31.1           | 39.6            | 32.4       | 6.5        | 15.0   | 8.7  |
| BP1455     | X1553  | 07/06/90     | 37.6            | 32.6           | 35.9            | 28.6           | 35.9            | 30.1       | 6.1        | 13.4   | 6.6  |
| BP1454     | X1552  | 07/06/90     | 36.4            | 30.9           | 34.7            | 27.1           | 34.8            | 29.5       | 5.5        | 13.6   | 5.7  |
| BP1453     | X1551  | 07/06/90     | 65.4            | 55.7           | 61.7            | 47.2           | 61.9            | 51.9       | 9.2        | 25.8   | 38.0 |
| BP1466     | X1565  | 08/09/90     | 30.2            | 25.9           | 29.1            | 23.7           | 29.2            | 24.0       | 5.0        | 11.0   | 3.5  |
| BP1465     | X1564  | 08/09/90     | 42.4            | 38.1           | 40.5            | 32.5           | 40.7            | 32.1       | 6.3        | 15.2   | 9.0  |
| BP1467     | X1566  | 08/09/90     | 41.6            | 35.7           | 39.3            | 30.2           | 39.5            | 34.2       | 6.6        | 16.0   | 8.7  |
| BP1464     | X1563  | 08/09/90     | 50.3            | 43.2           | 47.9            | 37.9           | 47.9            | 38.0       | 7.1        | 18.5   | 16.0 |
| BP1470     | X1568  | 08/10/90     | 50.7            | 44.8           | 48.4            | 38.6           | 48.5            | 39.3       | 7.2        | 19.8   | 16.6 |
| BP1468     | X1567  | 08/10/90     | 70.1            | 61.2           | 65.1            | 48.9           | 65.3            | 55.2       | 9.6        | 26.8   | 44.0 |

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| BP1493     | X1591 | 05/31/91     | 35.7                   | 30.0                  | 34.0                     | 25.3                    | 34.4                  | 29.2            | 5.6        | 14.0       | 5.7    |
| BP1494     | X1592 | 05/31/91     | 45.7                   | 41.0                  | 44.0                     | 35.6                    | 44.3                  | 37.2            | 6.4        | 16.3       | 11.8   |
| BP1495     | X1593 | 05/31/91     | 46.0                   | 41.0                  | 44.0                     | 35.7                    | 44.1                  | 36.4            | 6.7        | 17.9       | 12.7   |
| BP1496     | X1594 | 05/31/91     | 46.6                   | 40.6                  | 44.3                     | 35.7                    | 44.5                  | 38.3            | 6.9        | 18.9       | 13.7   |
| BP1497     | X1595 | 05/31/91     | 35.6                   | 30.2                  | 33.2                     | 26.5                    | 33.2                  | 27.5            | 5.5        | 13.8       | 5.6    |
| BP1498     | X1597 | 05/31/91     | 39.1                   | 34.3                  | 37.6                     | 30.1                    | 37.7                  | 30.9            | 6.1        | 14.6       | 7.4    |
| BP1500     | X1598 | 05/31/91     | 34.9                   | 28.5                  | 33.4                     | 25.6                    | 33.5                  | 27.0            | 5.3        | 11.5       | 4.2    |
| BP1499     | X1599 | 05/31/91     | 37.3                   | 31.7                  | 35.6                     | 28.8                    | 35.9                  | 29.5            | 6.0        | 12.6       | 5.8    |
| BBA691     | X2204 | 06/14/91     | 52.0                   | 46.4                  | 48.7                     | 39.1                    | 48.9                  | 40.5            | 7.5        | 18.5       | 22.0   |
| BBA694     | X2208 | 06/20/91     | 37.2                   | 31.2                  | 35.8                     | 27.6                    | 35.9                  | 29.7            | 5.8        | 13.6       | 6.1    |
| BBA693     | X2207 | 06/20/91     | 38.5                   | 33.2                  | 36.8                     | 29.1                    | 36.9                  | 30.5            | 5.9        | 14.1       | 6.7    |
| BBA692     | X2206 | 06/20/91     | 31.5                   | 26.3                  | 29.9                     | 22.6                    | 30.1                  | 25.8            | 5.1        | 11.6       | 3.6    |
| BBA707     | X2221 | 07/03/91     | 51.3                   | 45.7                  | 47.7                     | 38.9                    | 48.7                  | 40.0            | 7.5        | 19.7       | 16.2   |
| BBA705     | X2217 | 07/03/91     | 34.6                   | 30.8                  | 33.0                     | 26.5                    | 33.0                  | 27.8            | 5.7        | 13.5       | 5.5    |
| BBA706     | X2220 | 07/03/91     | 35.3                   | 31.4                  | 33.2                     | 26.9                    | 33.3                  | 29.8            | 5.6        | 13.9       | 5.7    |
| BP1466     | X2222 | 07/05/91     | 31.4                   | 27.0                  | 29.4                     | 23.9                    | 29.5                  | 23.9            | 5.1        | 11.7       | 3.7    |
| BBA708     | X2226 | 07/05/91     | 38.4                   | 34.0                  | 36.2                     | 29.7                    | 36.5                  | 30.2            | 6.0        | 13.8       | 6.7    |
| BBA715     | X2228 | 07/10/91     | 33.1                   | 28.0                  | 31.5                     | 24.4                    | 31.6                  | 26.8            | 5.5        | 11.7       | 4.0    |
| BBA717     | X2230 | 07/25/91     | 63.3                   | 59.0                  | 58.1                     | 46.4                    | 58.4                  | 47.5            | 8.7        | 23.1       | 36.0   |
| BBA718     | X2231 | 07/26/91     | 45.6                   | 39.5                  | 43.0                     | 33.7                    | 43.3                  | 35.7            | 6.9        | 16.4       | 11.1   |
| BBA710     | X2234 | 08/08/91     | 50.4                   | 43.7                  | 48.0                     | 37.7                    | 48.0                  | 40.8            | 7.1        | 18.9       | 15.0   |
| BBA741     | X2235 | 08/09/91     | 49.4                   | 43.6                  | 46.3                     | 36.3                    | 46.5                  | 37.6            | 7.6        | 19.3       | 14.2   |
| BBA742     | X2236 | 08/09/91     | 36.4                   | 31.6                  | 34.4                     | 26.5                    | 34.5                  | 29.6            | 5.5        | 13.6       | 6.0    |
| BP2502     | X4177 | 07/03/92     | 31.4                   | 28.0                  | 29.8                     | 24.9                    | 30.4                  | 26.9            | 5.2        | 11.5       | 4.0    |
| BBA777     | X2301 | 06/04/92     | 46.3                   | 44.6                  | 43.0                     | 35.6                    | 43.2                  | 36.4            | 6.9        | 18.3       | 13.0   |
| BBA778     | X2302 | 06/04/92     | 44.5                   | 38.8                  | 41.4                     | 33.1                    | 41.6                  | 36.1            | 6.3        | 16.5       | 10.1   |
| BBA779     | X2303 | 06/05/92     | 51.3                   | 44.2                  | 48.3                     | 37.9                    | 48.4                  | 39.0            | 7.2        | 19.4       | 0.0    |
| BBA780     | X2304 | 06/11/92     | 37.0                   | 30.7                  | 34.3                     | 27.2                    | 34.3                  | 30.1            | 5.7        | 14.1       | 6.6    |
| BBA783     | X2308 | 06/12/92     | 40.3                   | 35.7                  | 38.7                     | 30.3                    | 38.9                  | 33.2            | 6.5        | 15.9       | 9.0    |
| BBA784     | X2307 | 06/12/92     | 41.1                   | 36.2                  | 39.3                     | 30.0                    | 39.4                  | 32.6            | 6.4        | 16.3       | 8.8    |
| BBA782     | X2306 | 06/12/92     | 51.3                   | 45.0                  | 48.4                     | 37.7                    | 48.6                  | 40.3            | 7.9        | 18.3       | 20.0   |

| Tag Number | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Head Width | Body Depth | Weight |      |      |
|------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|------------|------------|--------|------|------|
|            |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |            |            |        |      |      |
| BBA781     | X2305        | 06/12/92        | 54.0           | 46.9            | 50.3           | 39.9            | 50.4       | 40.6       | 7.4    | 20.5 | 24.5 |
| BBA792     | X2313        | 06/16/92        | 33.5           | 30.4            | 32.0           | 26.6            | 32.1       | 26.7       | 5.3    | 12.7 | 4.5  |
| BBA791     | X2311        | 06/16/92        | 42.3           | 38.4            | 40.0           | 31.3            | 40.2       | 33.9       | 6.3    | 17.2 | 16.0 |
| BBA793     | X2312        | 06/16/92        | 54.3           | 46.8            | 51.1           | 38.7            | 51.4       | 43.9       | 7.8    | 22.0 | 30.0 |
| BBA790     | X2309        | 06/16/92        | 32.5           | 27.4            | 30.3           | 23.1            | 30.4       | 20.8       | 4.8    | 11.8 | 4.1  |
| BBA785     | X2314        | 06/16/92        | 35.9           | 35.2            | 34.7           | 29.5            | 34.8       | 29.3       | 5.9    | 14.5 | 7.0  |
| BBA786     | X2315        | 06/16/92        | 42.3           | 36.8            | 39.7           | 31.4            | 39.7       | 32.7       | 6.4    | 15.4 | 8.5  |
| BBA787     | X2317        | 06/23/92        | 41.9           | 35.7            | 41.0           | 26.8            | 41.0       | 30.7       | 6.5    | 14.4 | 8.0  |
| BBA788     | X2316        | 06/23/92        | 50.6           | 47.7            | 47.7           | 33.5            | 47.7       | 39.2       | 7.8    | 18.9 | 21.0 |
| BBA789     | X2319        | 06/30/92        | 57.3           | 53.9            | 54.6           | 45.2            | 54.9       | 45.9       | 8.5    | 20.6 | 28.5 |
| BBA794     | X2318        | 06/30/92        | 31.4           | 28.6            | 30.1           | 24.9            | 30.2       | 25.3       | 5.2    | 12.0 | 3.8  |
| BBA798     | X2320        | 07/02/92        | 32.4           | 26.3            | 29.8           | 23.0            | 29.8       | 25.3       | 4.9    | 12.3 | 3.9  |
| BBA799     | X2323        | 07/02/92        | 41.3           | 36.2            | 38.9           | 30.1            | 39.2       | 33.4       | 6.0    | 15.8 | 8.4  |
| BBA796     | X2321        | 07/02/92        | 45.5           | 39.2            | 42.8           | 33.1            | 42.8       | 35.3       | 6.8    | 16.8 | 17.1 |
| BBA797     | X2322        | 07/02/92        | 57.3           | 50.0            | 53.6           | 41.7            | 53.6       | 44.8       | 8.7    | 21.6 | 28.0 |
| BBA795     | X2324        | 07/02/92        | 56.1           | 48.8            | 52.5           | 42.0            | 52.5       | 43.5       | 7.8    | 20.5 | 25.0 |
| BP2503     | X4180        | 07/03/92        | 41.3           | 33.1            | 38.8           | 29.2            | 38.9       | 31.7       | 6.4    | 15.9 | 8.1  |
| BP2501     | X4179        | 07/03/92        | 46.5           | 39.5            | 43.5           | 34.3            | 43.5       | 36.3       | 6.8    | 16.5 | 16.0 |
| BP2504     | X4178        | 07/03/92        | 34.2           | 29.2            | 31.9           | 24.8            | 32.0       | 27.5       | 5.3    | 12.0 | 4.3  |
| BBA800     | X2325        | 07/03/92        | 40.5           | 34.1            | 37.7           | 29.4            | 37.7       | 30.1       | 5.8    | 14.3 | 6.8  |
| BP2511     | X4182        | 07/10/92        | 33.7           | 29.3            | 31.9           | 26.0            | 31.9       | 25.5       | 4.8    | 12.0 | 4.1  |
| BP2510     | X4187        | 07/10/92        | 32.5           | 29.0            | 31.2           | 25.1            | 31.3       | 26.0       | 5.0    | 12.5 | 4.1  |
| BP2513     | X4184        | 07/10/92        | 41.1           | 35.5            | 39.1           | 31.3            | 39.2       | 32.0       | 5.7    | 14.0 | 7.4  |
| BP2512     | X4185        | 07/10/92        | 37.2           | 30.5            | 34.6           | 26.7            | 35.0       | 29.5       | 5.6    | 13.2 | 5.8  |
| BP2514     | X4188        | 07/10/92        | 41.6           | 36.1            | 39.4           | 32.5            | 39.6       | 32.1       | 6.1    | 14.2 | 7.8  |
| BP2509     | X2310        | 07/10/92        | 51.7           | 45.0            | 49.1           | 37.5            | 49.3       | 39.8       | 7.7    | 18.9 | 21.5 |
| BP2516     | X4183        | 07/10/92        | 47.7           | 40.3            | 45.1           | 34.7            | 45.5       | 36.5       | 7.0    | 17.9 | 12.4 |
| BP2515     | X4186        | 07/10/92        | 60.1           | 53.0            | 57.6           | 45.3            | 57.6       | 47.5       | 8.7    | 21.6 | 30.0 |
| BP2528     | X4326        | 07/30/92        | 35.1           | 28.9            | 32.7           | 25.7            | 33.1       | 27.8       | 5.1    | 12.5 | 4.5  |
| BP2529     | X4200        | 07/30/92        | 60.1           | 50.4            | 55.9           | 41.9            | 56.0       | 47.1       | 8.2    | 22.0 | 30.0 |
| BP2532     | X4329        | 07/31/92        | 50.8           | 45.6            | 47.4           | 38.6            | 47.9       | 39.8       | 7.4    | 19.8 | 22.0 |

| Tag Number   | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|--------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|              |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BP2531 X4328 | 07/31/92     | 35.6            | 32.4           | 33.8            | 28.4           | 33.8            | 27.4            | 5.6        | 13.5       | 5.5    |
| BP2530 X4327 | 07/31/92     | 41.4            | 35.3           | 38.9            | 30.1           | 38.9            | 31.3            | 6.2        | 15.2       | 8.0    |
| BP2533 X4331 | 07/31/92     | 45.4            | 40.5           | 42.3            | 33.5           | 42.3            | 36.9            | 7.0        | 17.8       | 11.8   |
| BP2534 X4330 | 07/31/92     | 62.3            | 56.6           | 57.9            | 47.0           | 58.6            | 49.2            | 8.8        | 22.8       | 35.0   |
| BP2613 N2047 | 07/01/93     | 34.9            | 30.2           | 32.5            | 26.2           | 32.9            | 27.1            | 5.8        | 12.2       | 4.8    |
| BP2594 N2038 | 06/23/93     | 71.0            | 61.1           | 66.5            | 52.0           | 66.2            | 56.0            | 9.9        | 25.1       | 50.0   |
| BP2595 N2039 | 06/23/93     | 43.7            | 38.3           | 41.6            | 33.2           | 41.6            | 34.5            | 6.5        | 14.7       | 9.0    |
| BP2596 N2040 | 06/23/93     | 50.7            | 43.2           | 47.4            | 38.0           | 47.1            | 40.0            | 8.3        | 18.0       | 14.5   |
| BP2612 N2048 | 07/01/93     | 37.4            | 31.0           | 35.5            | 27.1           | 35.6            | 29.2            | 5.6        | 12.8       | 5.6    |
| BP2614 N2252 | 07/01/93     | 28.0            | 24.2           | 26.8            | 21.7           | 26.9            | 23.0            | 4.7        | 10.2       | 2.7    |
| BP2615 N2251 | 07/01/93     | 58.6            | 51.9           | 55.9            | 44.1           | 56.2            | 48.5            | 8.4        | 20.4       | 29.5   |
| BP2611 N2049 | 07/01/93     | 37.4            | 32.3           | 35.9            | 29.0           | 35.9            | 29.1            | 5.9        | 13.2       | 6.1    |
| BP2610 N2050 | 07/01/93     | 43.6            | 39.3           | 40.9            | 33.2           | 41.2            | 32.9            | 5.9        | 14.3       | 8.9    |
| BP2624 N2254 | 07/02/93     | 55.1            | 46.5           | 51.1            | 41.2           | 51.2            | 42.9            | 7.4        | 18.8       | 26.0   |
| BP2618 N2255 | 07/02/93     | 60.3            | 51.9           | 55.8            | 43.8           | 54.8            | 46.6            | 8.4        | 21.7       | 31.0   |
| BP2621 N2256 | 07/02/93     | 55.7            | 50.1           | 51.9            | 39.8           | 51.7            | 42.6            | 8.2        | 22.2       | 27.0   |
| BP2617 N2257 | 07/02/93     | 50.2            | 43.0           | 46.8            | 36.8           | 46.8            | 39.6            | 6.5        | 18.3       | 15.0   |
| BP2622 N2258 | 07/02/93     | 30.4            | 25.0           | 27.7            | 21.1           | 27.7            | 22.3            | 4.0        | 10.7       | 3.2    |
| BP2619 N2260 | 07/02/93     | 50.2            | 41.2           | 47.1            | 34.1           | 47.2            | 39.1            | 6.5        | 17.5       | 15.7   |
| BP2625 N2261 | 07/02/93     | 40.7            | 36.5           | 38.6            | 31.4           | 38.6            | 33.4            | 6.3        | 15.5       | 8.6    |
| BP2623 N2259 | 07/02/93     | 34.1            | 30.2           | 32.1            | 26.1           | 31.9            | 26.0            | 5.5        | 11.9       | 4.6    |
| BP2620 N2260 | 07/02/93     | 43.7            | 36.1           | 40.9            | 30.9           | 41.1            | 34.6            | 5.9        | 14.1       | 8.8    |
| BP2653 N2344 | 07/20/93     | 49.3            | 43.0           | 46.7            | 36.5           | 47.1            | 39.6            | 7.6        | 17.9       | 19.5   |
| BP2654 N2345 | 07/20/93     | 35.0            | 33.1           | 32.9            | 27.9           | 32.9            | 26.5            | 5.7        | 12.6       | 5.1    |
| BP2655 N2346 | 07/20/93     | 35.5            | 30.2           | 34.1            | 27.1           | 34.2            | 28.4            | 5.5        | 12.8       | 5.2    |
| BP2656 N2347 | 07/23/93     | 44.5            | 38.6           | 42.2            | 33.3           | 42.3            | 36.8            | 6.6        | 15.2       | 15.0   |
| BP2658 N2378 | 07/23/93     | 57.9            | 50.4           | 53.5            | 41.9           | 53.5            | 46.4            | 8.4        | 21.8       | 31.0   |
| BP2657 N2376 | 07/23/93     | 51.1            | 42.2           | 47.4            | 36.6           | 47.4            | 39.8            | 7.3        | 19.3       | 20.5   |
| BP2659 N2377 | 07/23/93     | 48.9            | 44.4           | 45.9            | 38.3           | 46.1            | 38.0            | 7.4        | 18.5       | 21.0   |
| BP2660 N2350 | 07/23/93     | 45.6            | 36.3           | 43.1            | 30.7           | 43.4            | 36.3            | 6.5        | 15.5       | 16.0   |
| BP2662 N2379 | 07/23/93     | 48.2            | 42.0           | 45.2            | 34.4           | 45.2            | 37.4            | 7.0        | 18.4       | 20.0   |

| Tag Number   | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           |                 |             |                   |
|--------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|-------------|-------------------|
|              |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length | Plastron Length | Head Length | Body Depth Weight |
| BP2661 N2349 | 07/23/93     | 54.5            | 47.4           | 49.9            | 39.0           | 49.9            | 42.2            | 6.9         | 19.3 24.0         |
| BP2663 N2348 | 07/23/93     | 68.3            | 57.6           | 63.4            | 45.3           | 63.6            | 52.5            | 8.8         | 23.3 43.0         |
| BP2664 N2380 | 07/27/93     | 44.5            | 38.6           | 42.1            | 33.0           | 42.2            | 35.2            | 7.0         | 16.7 11.3         |
| BP2665 N2381 | 07/27/93     | 67.9            | 60.0           | 63.9            | 48.4           | 64.3            | 52.3            | 8.9         | 25.4 41.0         |
| BP2686 N3168 | 08/13/93     | 55.8            | 52.0           | 52.1            | 42.0           | 51.9            | 43.2            | 7.9         | 21.1 26.0         |
| BP2695 N3177 | 08/13/93     | 58.0            | 50.0           | 54.3            | 42.5           | 54.4            | 45.7            | 8.1         | 20.2 27.5         |
| BP2684 N3178 | 08/13/93     | 46.2            | 38.1           | 43.1            | 33.5           | 43.6            | 35.6            | 6.2         | 16.7 11.2         |
| BP2694 N3166 | 08/13/93     | 46.0            | 39.7           | 43.6            | 33.0           | 43.5            | 34.0            | 7.0         | 16.7 10.3         |
| BP2692 N3162 | 08/13/93     | 46.7            | 39.7           | 43.9            | 34.5           | 43.6            | 36.2            | 6.8         | 16.1 10.5         |
| BP2688 N3167 | 08/13/93     | 47.4            | 40.7           | 44.8            | 34.5           | 44.9            | 37.2            | 6.5         | 16.8 12.3         |
| BP2685 N3164 | 08/13/93     | 53.5            | 47.5           | 49.9            | 40.1           | 49.9            | 41.3            | 7.8         | 19.8 23.0         |
| BP2689 N2399 | 08/13/93     | 71.8            | 62.4           | 67.0            | 51.4           | 67.2            | 55.4            | 9.0         | 24.1 47.0         |
| BP2691 N2400 | 08/13/93     | 55.6            | 49.5           | 53.4            | 42.6           | 53.6            | 44.8            | 7.4         | 18.4 25.0         |
| BP2696 N3163 | 08/13/93     | 57.6            | 50.7           | 53.4            | 43.4           | 53.4            | 44.8            | 8.5         | 21.3 29.0         |
| BP2687 N3165 | 08/13/93     | 45.9            | 39.6           | 42.9            | 33.6           | 43.2            | 37.0            | 7.2         | 16.4 10.8         |
| BP2690 N3161 | 08/13/93     | 49.6            | 43.7           | 45.9            | 35.1           | 46.1            | 37.9            | 7.3         | 19.5 13.6         |
| BP2693 N3176 | 08/13/93     | 57.7            | 52.6           | 54.2            | 42.2           | 54.5            | 45.5            | 8.7         | 20.9 30.5         |
| BP2700 N3171 | 08/20/93     | 40.7            | 35.6           | 38.0            | 31.4           | 38.1            | 31.6            | 6.1         | 14.1 7.1          |
| BP2699 N3170 | 08/20/93     | 42.2            | 37.8           | 39.3            | 32.1           | 39.6            | 32.2            | 6.2         | 15.4 8.5          |
| BP2698 N3172 | 08/20/93     | 35.2            | 27.2           | 32.9            | 29.2           | 33.0            | 4.0             | 4.4         | 5.6 27.2          |
| BP2697 N3174 | 08/20/93     | 30.1            | 28.2           | 29.2            | 24.7           | 29.5            | 24.8            | 5.0         | 11.5 3.4          |
| BP3101 N3173 | 08/20/93     | 42.5            | 35.4           | 40.0            | 30.6           | 40.4            | 32.8            | 6.5         | 14.0 7.8          |
| BP3102 N3169 | 08/20/93     | 65.8            | 58.8           | 60.3            | 48.3           | 60.8            | 53.5            | 8.5         | 25.2 42.0         |
| BP3202 N4521 | 07/20/94     | 43.4            | 36.0           | 41.6            | 32.5           | 41.8            | 33.9            | 6.9         | 13.7 8.0          |
| BP3205 N4522 | 07/20/94     | 36.9            | 30.3           | 35.1            | 26.8           | 35.2            | 28.9            | 5.7         | 11.0 5.3          |
| BP3204 N4524 | 07/20/94     | 33.0            | 28.4           | 31.6            | 25.9           | 31.7            | 26.6            | 5.4         | 11.5 4.2          |
| BP3201 N4523 | 07/20/94     | 43.6            | 37.7           | 39.9            | 32.6           | 40.1            | 33.8            | 6.5         | 16.2 9.1          |
| BP3203 N4525 | 07/20/94     | 44.3            | 38.4           | 41.9            | 32.5           | 41.7            | 33.2            | 7.0         | 16.2 9.7          |
| BP3200 N5207 | 08/02/94     | 35.7            | 30.4           | 33.4            | 26.5           | 33.4            | 27.6            | 5.7         | 12.5 5.3          |
| BP3207 N5208 | 08/02/94     | 43.6            | 36.1           | 41.1            | 31.0           | 41.0            | 34.5            | 6.4         | 3.9 8.3           |
| N5216 N5217  | 08/09/94     | 54.8            | 46.9           | 51.6            | 40.2           | 51.9            | 42.5            | 6.9         | 19.7 26.0         |

| Tag Number    | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           | Plastron Length | Head Width | Body Depth | Weight |
|---------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|------------|--------|
|               |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length |                 |            |            |        |
| BP3297 N5477  | 06/12/95     | 43.1            | 37.7           | 40.2            | 31.3           | 40.5            | 33.5            | 6.9        | 16.0       | 9.1    |
| BP5506 N5483  | 06/13/95     | 50.4            | 43.6           | 47.4            | 37.7           | 47.4            | 40.2            | 7.6        | 18.3       | 20.0   |
| BP3296 N5250  | 06/09/95     | 39.2            | 33.0           | 37.2            | 28.9           | 37.2            | 31.0            | 6.4        | 14.6       | 6.8    |
| BP5530 N5486  | 06/26/95     | 32.1            | 28.2           | 30.7            | 24.7           | 30.8            | 26.2            | 5.2        | 10.4       | 3.4    |
| BP5533 N5491  | 06/27/95     | 45.2            | 39.1           | 42.3            | 33.7           | 42.4            | 35.4            | 7.1        | 16.0       | 10.4   |
| BP5537 N5495  | 06/27/95     | 46.3            | 39.1           | 42.3            | 31.6           | 42.4            | 36.2            | 6.9        | 15.3       | 10.1   |
| BP5543 N6276  | 06/29/95     | 30.4            | 26.7           | 29.2            | 23.9           | 29.2            | 24.2            | 5.2        | 9.8        | 3.1    |
| BP5546 N6280  | 06/29/95     | 33.1            | 27.2           | 31.5            | 23.7           | 31.5            | 25.6            | 5.2        | 11.6       | 4.1    |
| BP5555 N6284  | 07/10/95     | 35.2            | 26.4           | 32.1            | 22.4           | 31.9            | 27.6            | 5.5        | 11.5       | 4.2    |
| BP5556 N6285  | 07/10/95     | 32.3            | 28.9           | 29.5            | 24.6           | 29.5            | 26.4            | 5.4        | 7.1        | 3.8    |
| BP5557 N6288  | 07/11/95     | 44.9            | 37.5           | 42.6            | 31.9           | 42.6            | 34.2            | 6.8        | 15.9       | 16.5   |
| BP3298 N5401  | 06/12/95     | 52.8            | 48.8           | 49.9            | 38.4           | 50.0            | 42.9            | 7.5        | 19.2       | 0.0    |
| BP3299 N5402  | 06/12/95     | 50.4            | 43.7           | 47.7            | 37.4           | 47.6            | 41.0            | 7.8        | 17.6       | 21.0   |
| BP5504 X6038  | 06/13/95     | 38.5            | 32.1           | 36.7            | 28.6           | 36.8            | 30.0            | 5.9        | 12.9       | 6.1    |
| BP5507 N5478  | 06/13/95     | 42.1            | 36.5           | 39.9            | 31.9           | 40.0            | 34.4            | 6.8        | 14.8       | 8.5    |
| BP5505 N5479  | 06/13/95     | 44.0            | 41.1           | 42.3            | 34.9           | 42.4            | 33.7            | 6.7        | 16.0       | 16.0   |
| BP5503 N5480  | 06/13/95     | 33.5            | 28.4           | 31.4            | 25.5           | 31.4            | 25.1            | 5.2        | 12.2       | 4.1    |
| BP5502 N5481  | 06/13/95     | 30.9            | 27.5           | 29.4            | 25.3           | 29.6            | 25.6            | 5.1        | 11.2       | 3.5    |
| BP5501 N5482  | 06/13/95     | 26.7            | 24.0           | 25.1            | 21.0           | 25.1            | 21.5            | 4.7        | 10.3       | 2.5    |
| BP5527 N5484  | 06/26/95     | 51.9            | 46.2           | 48.3            | 36.6           | 48.6            | 39.8            | 6.8        | 16.2       | 24.0   |
| BP5529 N5485  | 06/26/95     | 34.5            | 28.9           | 31.8            | 25.3           | 31.8            | 27.1            | 5.2        | 12.6       | 4.6    |
| BP5528 N5487  | 06/26/95     | 34.1            | 28.8           | 31.9            | 25.9           | 32.1            | 27.2            | 5.4        | 11.6       | 4.1    |
| BP5532 N5490  | 06/27/95     | 49.0            | 42.7           | 46.3            | 35.9           | 46.4            | 38.2            | 7.3        | 18.4       | 13.8   |
| BP5534 N54889 | 06/27/95     | 33.9            | 30.2           | 32.1            | 26.4           | 32.4            | 26.7            | 5.4        | 11.4       | 4.3    |
| BP5540 N5498  | 06/27/95     | 45.8            | 38.6           | 43.5            | 32.3           | 43.3            | 36.2            | 6.8        | 16.3       | 10.8   |
| BP5539 N5497  | 06/27/95     | 49.1            | 43.9           | 46.5            | 35.4           | 46.2            | 38.2            | 7.4        | 17.3       | 13.1   |
| BP5538 N5496  | 06/27/95     | 44.8            | 37.0           | 42.7            | 32.2           | 42.8            | 34.6            | 7.0        | 15.4       | 10.0   |
| BP5535 N5494  | 06/27/95     | 31.9            | 28.2           | 30.2            | 24.4           | 30.1            | 24.9            | 5.4        | 11.9       | 3.9    |
| BP5541 N5499  | 06/29/95     | 39.6            | 34.1           | 37.7            | 28.4           | 37.8            | 30.0            | 6.2        | 14.0       | 7.2    |
| BP5542 N5500  | 06/29/95     | 50.9            | 45.0           | 49.0            | 38.9           | 49.1            | 41.2            | 7.8        | 18.9       | 17.0   |
| BP5544 N6279  | 06/29/95     | 45.3            | 41.7           | 43.0            | 39.1           | 43.2            | 36.2            | 6.4        | 17.7       | 12.0   |

| Tag Number   | Capture Date | Curved          | Curved         | Standard        | Standard       | Total           |                 |            |                   |
|--------------|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|------------|-------------------|
|              |              | Carapace Length | Carapace Width | Carapace Length | Carapace Width | Carapace Length | Plastron Length | Head Width | Body Depth Weight |
| BP5545 N6278 | 06/29/95     | 34.4            | 30.0           | 33.1            | 26.6           | 32.7            | 27.5            | 5.6        | 12.2 4.7          |
| BP5547 N6277 | 06/29/95     | 34.1            | 29.3           | 32.6            | 25.1           | 32.6            | 25.9            | 5.3        | 11.5 4.1          |
| BP5549 N6282 | 06/29/95     | 27.3            | 23.5           | 26.2            | 20.9           | 26.0            | 22.3            | 4.8        | 9.3 2.4           |
| BP5548 N6281 | 06/29/95     | 28.4            | 25.4           | 27.1            | 22.6           | 27.2            | 22.2            | 4.9        | 10.7 3.0          |
| BP5558 N6286 | 07/11/95     | 54.2            | 49.5           | 50.3            | 41.4           | 50.4            | 42.0            | 8.2        | 19.8 28.0         |
| BP5559 N6287 | 07/11/95     | 46.2            | 38.1           | 44.1            | 34.9           | 44.3            | 36.6            | 7.2        | 15.4 18.5         |
|              | Number       | 190             | 190            | 190             | 190            | 190             | 190             | 190        | 190               |
|              | Median       | 42.5            | 36.5           | 40.1            | 31.4           | 40.5            | 33.5            | 6.4        | 15.4 8.8          |
|              | Mean         | 43.7            | 38.0           | 41.1            | 32.4           | 41.3            | 34.2            | 6.5        | 15.8 12.9         |
|              | Std. Dev.    | 10.0            | 9.1            | 9.2             | 7.0            | 9.2             | 8.1             | 1.2        | 4.1 10.5          |
|              | Minimum      | 26.7            | 23.5           | 25.1            | 20.9           | 25.1            | 4.0             | 4.0        | 3.9 0.0           |
|              | Maximum      | 71.8            | 62.4           | 67.0            | 52.0           | 67.2            | 56.0            | 9.9        | 27.0 50.0         |

Table 21. Morphometrics of loggerheads from the Sabellariid worm reefs, Indian River Co., Florida.

| Tag Number |       | Capture Date | Curved Carapace Length | Curved Carapace Width | Standard Carapace Length | Standard Carapace Width | Total Carapace Length | Plastron Length | Head Width | Body Depth | Weight |
|------------|-------|--------------|------------------------|-----------------------|--------------------------|-------------------------|-----------------------|-----------------|------------|------------|--------|
| X749       | X751  | 07/10/89     | 67.0                   | 63.8                  | 61.3                     | 50.7                    | 63.5                  | 46.0            | 12.1       | 25.2       | 37.0   |
| BP1463     | X1562 | 08/01/90     | 53.7                   | 50.4                  | 49.7                     | 42.8                    | 50.4                  | 39.4            | 10.2       | 18.0       | 23.0   |
| BP1472     | X1570 | 08/16/90     | 62.8                   | 61.1                  | 57.5                     | 48.4                    | 57.5                  | 45.6            | 12.1       | 26.3       | 37.0   |
| BBA714     | X2227 | 07/10/91     | 62.4                   | 59.3                  | 58.0                     | 48.3                    | 58.5                  | 44.5            | 11.2       | 23.8       | 32.5   |
| BP2616     | N2253 | 07/02/93     | 67.9                   | 64.3                  | 62.7                     | 49.0                    | 62.9                  | 49.0            | 12.7       | 28.1       | 48.0   |
| N5492      |       | 06/27/95     | 97.2                   | 92.5                  | 92.9                     | 71.7                    | 92.9                  | 71.7            | 35.9       | ----       | 17.9   |

Table 22. Descriptive statistics of the June and July CPUE data combined for the years 1983-86, 1988-90, 1993-95; for netting efforts in the Indian River Lagoon System, Sebastian Inlet, Indian River Co., Florida.

**Loggerhead**

| Span of Years | Number | Mean | Median | Std. Deviation | Range       |
|---------------|--------|------|--------|----------------|-------------|
| 1983-85       | 48     | 0.66 | 0.51   | 0.70           | 0.00 - 2.65 |
| 1988-90       | 47     | 0.53 | 0.37   | 0.66           | 0.00 - 2.64 |
| 1993-95       | 36     | 0.80 | 0.52   | 1.06           | 0.00 - 4.77 |

**Green Turtle**

| Span of Years | Number | Mean | Median | Std. Deviation | Range       |
|---------------|--------|------|--------|----------------|-------------|
| 1983-85       | 48     | 0.41 | 0.00   | 0.61           | 0.00 - 3.04 |
| 1988-90       | 47     | 1.14 | 1.04   | 0.95           | 0.00 - 4.58 |
| 1993-95       | 36     | 1.00 | 0.80   | 0.89           | 0.00 - 3.56 |

Table 23. Descriptive statistics of the seasonal CPUE data for netting efforts in the Indian River Lagoon System, Sebastian Inlet, Indian River Co., Florida from July, 1982 through June, 1996.

**Loggerhead**

| Season | Number | Mean | Median | Std. Deviation | Range       |
|--------|--------|------|--------|----------------|-------------|
| Summer | 197    | 0.70 | 0.48   | 0.95           | 0.00 - 5.21 |
| Fall   | 38     | 0.78 | 0.47   | 0.88           | 0.00 - 3.11 |
| Winter | 41     | 0.80 | 0.95   | 0.86           | 0.00 - 3.62 |
| Spring | 177    | 0.78 | 0.58   | 0.98           | 0.00 - 7.33 |

**Green Turtle**

| Season | Number | Mean | Median | Std. Deviation | Range        |
|--------|--------|------|--------|----------------|--------------|
| Summer | 197    | 0.85 | 0.66   | 0.93           | 0.00 - 5.09  |
| Fall   | 38     | 2.04 | 1.24   | 2.13           | 0.00 - 9.09  |
| Winter | 41     | 4.80 | 1.85   | 7.50           | 0.00 - 35.17 |
| Spring | 177    | 1.19 | 0.73   | 1.67           | 0.00 - 12.34 |

Table 24. Results of testosterone analysis from samples taken from juvenile green turtles captured over Sabellariid worm reefs in Indian River County, Florida, in 1995.

| Tag Numbers   | Date    | Species               | Carapace Length sl<br>(cm) | Weight<br>(kg) | Sex |
|---------------|---------|-----------------------|----------------------------|----------------|-----|
| BP3296 N5250  | 6/9/95  | <i>Chelonia mydas</i> | 37.2                       | 6.8            | F   |
| BP3297 N5477  | 6/12/95 | <i>Chelonia mydas</i> | 40.2                       | 9.1            | F   |
| BP3298 N5401  | 6/12/95 | <i>Chelonia mydas</i> | 49.9                       | -              | F   |
| BP3299 N5402  | 6/12/95 | <i>Chelonia mydas</i> | 47.7                       | 21.0           | M   |
| BP5502 N5481  | 6/13/95 | <i>Chelonia mydas</i> | 29.4                       | 3.5            | F   |
| BP5503 N5480  | 6/13/95 | <i>Chelonia mydas</i> | 31.4                       | 4.1            | F   |
| BP5504 X6038  | 6/13/95 | <i>Chelonia mydas</i> | 36.7                       | 6.1            | F   |
| BP5505 N5479  | 6/13/95 | <i>Chelonia mydas</i> | 42.3                       | 16.0           | F   |
| BP5506 N5483  | 6/13/95 | <i>Chelonia mydas</i> | 47.4                       | 20.0           | M   |
| BP5507 N5478  | 6/13/95 | <i>Chelonia mydas</i> | 39.9                       | 8.5            | M   |
| BP5527 N5484  | 6/26/95 | <i>Chelonia mydas</i> | 48.3                       | 24.0           | M   |
| BP5528 N5487  | 6/26/95 | <i>Chelonia mydas</i> | 31.9                       | 4.1            | M   |
| BP5529 N5485  | 6/26/95 | <i>Chelonia mydas</i> | 31.8                       | 4.6            | F   |
| BP5530 N5486  | 6/26/95 | <i>Chelonia mydas</i> | 30.7                       | 3.4            | F   |
| BP5532 N5490  | 6/27/95 | <i>Chelonia mydas</i> | 46.3                       | 13.8           | F   |
| BP5533 N5491  | 6/27/95 | <i>Chelonia mydas</i> | 42.3                       | 10.4           | U   |
| BP5534 N5489  | 6/27/95 | <i>Chelonia mydas</i> | 32.1                       | 4.3            | M   |
| BP5537 N5495  | 6/27/95 | <i>Chelonia mydas</i> | 42.3                       | 10.1           | M   |
| BP5538 N5496  | 6/27/95 | <i>Chelonia mydas</i> | 42.7                       | 10.0           | U   |
| BP5539 N5497  | 6/27/95 | <i>Chelonia mydas</i> | 46.5                       | 13.1           | M   |
| BP5540 N5498  | 6/27/95 | <i>Chelonia mydas</i> | 43.5                       | 10.7           | F   |
| BP5541 N5499  | 6/29/95 | <i>Chelonia mydas</i> | 37.7                       | 7.2            | M   |
| BP5542 N5500  | 6/29/95 | <i>Chelonia mydas</i> | 49.0                       | 17.0           | F   |
| BP5543 N6276  | 6/29/95 | <i>Chelonia mydas</i> | 29.2                       | 3.1            | M   |
| BP5544 N6279  | 6/29/95 | <i>Chelonia mydas</i> | 43.0                       | 12.0           | M   |
| BP5545 N6278  | 6/29/95 | <i>Chelonia mydas</i> | 33.1                       | 4.7            | M   |
| BP5546 N6280  | 6/29/95 | <i>Chelonia mydas</i> | 31.5                       | 4.1            | F   |
| BP5547 N6277  | 6/29/95 | <i>Chelonia mydas</i> | 32.6                       | 4.1            | M   |
| BP5548 N6281  | 6/29/95 | <i>Chelonia mydas</i> | 27.1                       | 3.0            | U   |
| BP5549 N6282  | 6/29/95 | <i>Chelonia mydas</i> | 26.2                       | 2.4            | F   |
| BP5555 N6284  | 7/10/95 | <i>Chelonia mydas</i> | 32.1                       | 4.2            | F   |
| BP5556 N6285  | 7/10/95 | <i>Chelonia mydas</i> | 29.5                       | 3.8            | F   |
| BP5557 N6288  | 7/11/95 | <i>Chelonia mydas</i> | 42.6                       | 16.5           | F   |
| BP5558 N6286  | 7/11/95 | <i>Chelonia mydas</i> | 50.3                       | 28.0           | M   |
| BP5559 N6287  | 7/11/95 | <i>Chelonia mydas</i> | 44.1                       | 18.5           | F   |
| 18/35 females |         |                       | 51.4%                      |                |     |
| 14/35 males   |         |                       | 40.0%                      |                |     |
| 3/35 unknown  |         |                       | 8.6%                       |                |     |

Table 25. Results of testosterone analysis from samples taken from juvenile green turtles and subadult loggerheads captured in the Indian River Lagoon, Indian River County, Florida, 1993 through 1995.

| Tag Numbers   | Date     | Species                | Carapace Length sl (cm) | Weight (kg) | Sex |
|---------------|----------|------------------------|-------------------------|-------------|-----|
| <b>1993</b>   |          |                        |                         |             |     |
| BP2672 N2388  | 8/3/93   | <i>Chelonia mydas</i>  | 38.3                    | 7.0         | M   |
| BP3117 N3048  | 12/21/93 | <i>Chelonia mydas</i>  | 55.9                    | 29.0        | F   |
| <b>1994</b>   |          |                        |                         |             |     |
| BP3167 N3192  | 6/2/94   | <i>Chelonia mydas</i>  | 29.1                    | 3.1         | U   |
| BP3196 N5202  | 7/22/94  | <i>Chelonia mydas</i>  | 35.4                    | 6.7         | U   |
| BP3208 N5239  | 11/25/94 | <i>Chelonia mydas</i>  | 59.4                    | 30.2        | U   |
| BP3210 N5220  | 11/25/94 | <i>Chelonia mydas</i>  | 49.5                    | 20.2        | F   |
| BP3212 N5222  | 11/25/94 | <i>Chelonia mydas</i>  | 32.8                    | 4.7         | M   |
| BP3213 N5223  | 11/25/94 | <i>Chelonia mydas</i>  | 30.1                    | 3.5         | F   |
| BP3214 N5224  | 11/25/94 | <i>Chelonia mydas</i>  | 29.2                    | 3.2         | F   |
| BP3215 N5225  | 11/25/94 | <i>Chelonia mydas</i>  | (est) 50.0              | 20.4        | F   |
| N5221         | 11/25/94 | <i>Chelonia mydas</i>  | 33.5                    | 5.4         | F   |
| 5/9 females   |          |                        |                         |             |     |
| 1/9 male      |          |                        |                         |             |     |
| 3/9 unknown   |          |                        |                         |             |     |
| 55.5%         |          |                        |                         |             |     |
| 11.1%         |          |                        |                         |             |     |
| 33.3%         |          |                        |                         |             |     |
| <b>1995</b>   |          |                        |                         |             |     |
| BP3164 X6001  | 5/8/95   | <i>Caretta caretta</i> | 60.6                    | 43.0        | M   |
| BP3260 X6003  | 5/8/95   | <i>Chelonia mydas</i>  | 48.4                    | 20.0        | F   |
| BP3261 X6004  | 5/8/95   | <i>Chelonia mydas</i>  | 37.7                    | 7.7         | F   |
| BP3262 X6007  | 5/9/95   | <i>Chelonia mydas</i>  | 47.4                    | 19.0        | F   |
| BP3263 X6008  | 5/11/95  | <i>Chelonia mydas</i>  | 33.6                    | 5.5         | F   |
| BP3264 X6009  | 5/11/95  | <i>Caretta caretta</i> | 55.0                    | 36.0        | M   |
| BP3265 X6010  | 5/15/95  | <i>Chelonia mydas</i>  | 60.1                    | 34.0        | F   |
| BP3267 X6006  | 5/16/95  | <i>Chelonia mydas</i>  | 49.9                    | 20.0        | M   |
| BP3268 X6012  | 5/16/95  | <i>Chelonia mydas</i>  | 56.1                    | 30.0        | F   |
| BP3269 X6013  | 5/16/95  | <i>Chelonia mydas</i>  | 53.6                    | 27.0        | F   |
| BP3270 X6014  | 5/16/95  | <i>Chelonia mydas</i>  | 39.1                    | 7.5         | F   |
| BP3279 X6018  | 5/22/95  | <i>Chelonia mydas</i>  | 35.5                    | 5.8         | U   |
| BP3280 X6019  | 5/22/95  | <i>Chelonia mydas</i>  | 33.7                    | 4.8         | M   |
| BP3282 X6020  | 5/22/95  | <i>Chelonia mydas</i>  | 42.8                    | 9.0         | F   |
| BP3283 X6021  | 5/26/95  | <i>Chelonia mydas</i>  | 36.3                    | 6.7         | F   |
| BP3284 X6022  | 5/30/95  | <i>Chelonia mydas</i>  | 28.9                    | 2.9         | F   |
| BBE005 QQJ020 | 6/6/95   | <i>Caretta caretta</i> | 63.0                    | 50.0        | F   |
| BP3288 N5271  | 6/6/95   | <i>Chelonia mydas</i>  | 40.3                    | 9.3         | M   |
| BP3291 X6024  | 6/6/95   | <i>Chelonia mydas</i>  | 36.3                    | 6.7         | U   |
| BP3293 X6034  | 6/6/95   | <i>Chelonia mydas</i>  | 34.2                    | 5.5         | M   |
| BP3290 X6035  | 6/8/95   | <i>Chelonia mydas</i>  | 41.1                    | 8.8         | F   |
| BP3294 X6036  | 6/8/95   | <i>Chelonia mydas</i>  | 57.8                    | 31.0        | M   |

Table 25. continued

| Tag Numbers  | Date    | Species                | Carapace Length sl<br>(cm) | Weight<br>(kg) | Sex |
|--------------|---------|------------------------|----------------------------|----------------|-----|
| BP3295 X6037 | 6/8/95  | <i>Chelonia mydas</i>  | 33.4                       | 5.0            | F   |
| BP5508 X6040 | 6/15/95 | <i>Chelonia mydas</i>  | 33.0                       | 4.8            | F   |
| BP5513 X6041 | 6/15/95 | <i>Chelonia mydas</i>  | 36.9                       | 6.7            | M   |
| BP5522 X6049 | 6/20/95 | <i>Caretta caretta</i> | 56.5                       | 35.0           | F   |
| BP5523 X6050 | 6/20/95 | <i>Caretta caretta</i> | 58.7                       | 38.0           | F   |
| BP5524 X6058 | 6/20/95 | <i>Caretta caretta</i> | 76.3                       | 69.0           | F   |
| BP5525 X6059 | 6/20/95 | <i>Chelonia mydas</i>  | 37.7                       | 6.7            | F   |
| BP5531 N5488 | 6/26/95 | <i>Chelonia mydas</i>  | 53.7                       | 29.0           | F   |
| BP5550 N6283 | 6/30/95 | <i>Caretta caretta</i> | 59.8                       | 40.0           | U   |
| BP5553 X6033 | 7/6/95  | <i>Chelonia mydas</i>  | 43.1                       | 12.0           | M   |
| BP5554 X6060 | 7/7/95  | <i>Chelonia mydas</i>  | 31.8                       | 4.7            | F   |
| BP5567 X6083 | 7/25/95 | <i>Caretta caretta</i> | 61.2                       | 41.0           | F   |
| BP5568 X6084 | 7/25/95 | <i>Caretta caretta</i> | 55.6                       | 35.0           | F   |
| BP5569 X6085 | 7/25/95 | <i>Caretta caretta</i> | 62.9                       | 41.0           | F   |
| BP5570 X6086 | 7/25/95 | <i>Chelonia mydas</i>  | 39.9                       | 8.9            | F   |
| BP5573 X6089 | 7/31/95 | <i>Chelonia mydas</i>  | 42.6                       | 9.5            | F   |
| BP5574 X6088 | 7/31/95 | <i>Chelonia mydas</i>  | 49.9                       | 22.0           | F   |
| BP5575 X6087 | 7/31/95 | <i>Chelonia mydas</i>  | 32.3                       | 4.7            | F   |
| BP5571 X6090 | 8/4/95  | <i>Chelonia mydas</i>  | 30.9                       | 4.2            | F   |
| BP5572 X6091 | 8/4/95  | <i>Chelonia mydas</i>  | 33.1                       | 5.0            | F   |
| BP3163 X4335 | 8/11/95 | <i>Caretta caretta</i> | 49.4                       | 39.0           | F   |
| BP5576 X6068 | 8/11/95 | <i>Chelonia mydas</i>  | 38.4                       | 6.9            | F   |
| BP5583 X6093 | 8/15/95 | <i>Chelonia mydas</i>  | 41.6                       | 10.5           | F   |
| BP5585 X6094 | 8/15/95 | <i>Chelonia mydas</i>  | 54.3                       | 30.0           | F   |
| BP5586 X6095 | 9/11/95 | <i>Chelonia mydas</i>  | 32.7                       | 4.8            | M   |
| BP5587 X6096 | 9/11/95 | <i>Chelonia mydas</i>  | 49.5                       | 23.0           | F   |

## Green turtles

|               |       |
|---------------|-------|
| 27/37 females | 72.9% |
| 8/37 males    | 21.6% |
| 2/37 unknown  | 5.4%  |

## Loggerheads

|              |       |
|--------------|-------|
| 8/11 females | 72.7% |
| 2/11 males   | 18.1% |
| 1/11 unknown | 9.0%  |

Table 26. Remote recoveries of juvenile green turtles tagged and released by U.C.F. in the Indian River Lagoon system, Brevard and Indian River Counties, Florida.

| Tag Numbers    | Original Tag Date | Location            | Recovery Date | Recovery Location                                   | Condition              |
|----------------|-------------------|---------------------|---------------|---|------------------------|
| A6487          | 20-Jan-77         | Mosquito Lagoon     | Mar-82        | Set Net Point, Bluefields, Nicaragua                |                        |
| P PJ073 PPJ074 | 19-Jan-87         | Indian River Lagoon | 7-Sep-93      | Man O' War Cay; Nicaragua.                          | consumed               |
| P PJ149 PPJ150 | 21-Apr-87         | Indian River Lagoon | 17-Sep-93     | Cayo Burro, Cuba                                    | consumed               |
| PPN748 PPN749  | 2-Dec-87          | Indian River Lagoon | 3-Dec-94      | Eastern Reef, Nicaragua.                            | consumed               |
| BBA616 PPN873  | 26-Dec-89         | Mosquito Lagoon     | 18-Nov-91     | Mullins River Village, Stann Creek District, Belize | consumed               |
| BBA668 QQB249  | 26-Dec-89         | Mosquito Lagoon     | 3-Dec-95      | Set Net, Nicaragua.                                 | slaughtered; to market |
| BBA617 PPN894  | 27-Dec-89         | Mosquito Lagoon     | < May-94      | "Recovered in Cuba" only into known                 | consumed               |
| BBA685 QQB255  | 27-Dec-89         | Mosquito Lagoon     | no date       | "Recovered in Cuba" only into known                 | assumed dead           |
|                |                   |                     |               |   | assumed dead           |

Table 27. Remote recoveries of net-captured marine turtles tagged and released by U.C.F. from nearshore Sabellariid worm reefs, Indian River County, Florida.

| <b>Tag Numbers</b> | <b>Original Tag Date</b> | <b>Species</b> | <b>Recovery Date</b> | <b>Recovery Location</b>      | <b>Condition</b>     |
|--------------------|--------------------------|----------------|----------------------|-------------------------------|----------------------|
| BP594 X798         | 10/18/89                 | E. imbricata   | 8/4/96               | Area of Walker's Cay, Bahamas | unknown; letter sent |

Table 28. Domestic recoveries of juvenile green turtles tagged and released by U.C.F. in the Indian River Lagoon system (IRL), Brevard and Indian River Counties, Florida.

| Tag Numbers   | Original Tag Date | Location            | Recovery Date | Recovery Location  | Condition                               |
|---------------|-------------------|---------------------|---------------|--|---|
| BBA550        | 26-Dec-89         | Mosquito Lagoon     | 13-Sep-93     | TAG ONLY; Martin Co.; Inside St. Lucie Inlet; south jetty    | no info about turtle                    |
| BBA598 QQB220 | 26-Dec-89         | Mosquito Lagoon     | 11-Mar-90     | Volusia Co.; Playalinda Beach                                | dead                                    |
| BP3121 N3107  | 21-Dec-93         | Indian River Lagoon | 19-Jan-95     | St. Lucie Power Plant  | good                                    |
| BP4533 X4732  | 14-Mar-96         | Indian River Lagoon | 28-Apr-96     | IRL, Indialantic; prop-killed                                | dead                                    |
| BP4554 X4754  | 15-Mar-96         | Indian River Lagoon | 4-Jun-96      | IRL, May's Marina, Sebastian; crab trap entanglement         | dead                                    |
| BP4558        | 15-Mar-96         | Indian River Lagoon | 12-May-96     | TAG ONLY; found on small island at Sebastian Inlet           | dead                                    |
| BP4581 X4781  | 15-Mar-96         | Indian River Lagoon | 27-Aug-96     | IRL, 1st spoil island south of Sebastian Bridge; prop-killed | no info about turtle                    |
| BP553 X759    | 20-Jul-89         | Indian River Lagoon | 15-Jan-90     | 2.5 mi N of Ft. Pierce Inlet, constriction marks on neck     | dead                                    |
| BP5689 N6370  | 22-Feb-96         | Indian River Lagoon | 10-Apr-96     | IRL, 4.3 mi north of Wabasso                                 | dead                                    |
| NNZ459 K6218  | 23-Jul-86         | Indian River Lagoon | 22-Mar-87     | IRL spoil island; Ft. Pierce; possible gunshot               | dead                                    |
| PPJ027 PPJ028 | 10-Dec-86         | Indian River Lagoon | 2-May-88      | IRL, 5 miles south of Vero Beach                             | dead                                    |
| PPJ156 PPN820 | 25-Jun-86         | Indian River Lagoon | 24-Jun-94     | IRL, Pt. St. John; prop injury; to Sea World; Hidden Harbor  | dead                                    |
| X292 X233     | 16-Jun-88         | Indian River Lagoon | 7-Feb-89      | IRL, south of Sebastian Inlet on east shore                  | Key West Aquarium; will not be released |
| X6022         | 30-May-95         | Indian River Lagoon | 8-Jun-95      | TAG ONLY found in catfish stomach; Sebastian Bridge          | dead                                    |
| X6034         | 6-Jun-95          | Indian River Lagoon | 26-Aug-96     | TAG ONLY; found on south Hutchinson Island                   | no info about turtle                    |

Table 29. Domestic recoveries of juvenile green turtles tagged and released by U.C.F. over nearshore Sabellariid worm reefs, Indian River County, Florida.

| Tag Numbers  | Original Tag Date | Recovery Date | Recovery Location  | Condition               |
|--------------|-------------------|---------------|--|-------------------------|
| BP5501 N5482 | 6/13/95           | 2/27/96       | Indian River County, Ambersand Beach                             |                         |
| BP5534 N5489 | 6/27/95           | 3/28/96       | Indian River County, Ambersand Beach; monofilament entanglement. | dead                    |
| BP5559 N6287 | 7/11/95           | 9/20/95       | St Lucie Power Plant   | dead                    |
| BP3296 N5250 | 6/9/95            | 10/8/95       | St Lucie Power Plant   | healthy; active<br>good |

Table 30. Juvenile green turtles tagged by others and recaptured by U.C.F. in the Indian River Lagoon and nearshore reefs, Indian River County, Florida.

| Tag Numbers         | Original Tag Date | Original Tag Location  | U.C.F.        |                   | Carapace (cm) | SL length (cm) | Weight (kg) |
|---------------------|-------------------|--|---------------|-------------------|---------------|----------------|-------------|
|                     |                   |  | Recovery Date | Recovery Location |               |                |             |
| BBA812 QQC618       | 10-Jan-91         | Sea World rehab/incidental dredge catch                        | 7-Jun-91      | lagoon            | 37.7          | 7.3            |             |
| BBE181 QQJ214       | 17-Nov-94         | St. Lucie Power Plant  | 21-Nov-95     | lagoon            | 32.6          | 5.1            |             |
| BBE233 QQJ274       | 26-Dec-94         | St. Lucie Power Plant  | 16-May-95     | lagoon            | 29.1          | 2.9            |             |
| BBE606 SSM018       | 9-May-95          | St. Lucie Power Plant  | 29-Jul-96     | lagoon            | 36.1          | 5.4            |             |
| BP3127 N3069        | 15-Jan-94         | Trident Basin, Pt. Canaveral                                   | 18-Feb-94     | lagoon            | 48.1          | 20.0           |             |
| PPG677 BP542        | 1-Jun-88          | FDNR headstart/released Stuart, FL                             | 6-Jul-89      | reef              | 33.9          | 5.2            |             |
| PPG677 BP542        | 1-Jun-88          | FDNR headstart/released Stuart, FL                             | 10-Aug-90     | reef              | 37.8          | 7.6            |             |
| PPJ455 X107         | 22-Jul-87         | MarineLand 1985 headstart/released MINWR, oceanside            | 17-Mar-88     | lagoon            | 34.2          | 6.0            |             |
| PPJ497 PPN620       | 26-Oct-88         | FDNR Jensen Bch. headstart/Marineland/released IRL, Titusville | 16-Jan-89     | lagoon            | 37.5          | 4.8            |             |
| PPJ497 PPN620 BP520 | 26-Oct-88         | FDNR Jensen Bch. headstart/Marineland/released IRL, Titusville | 21-Mar-89     | lagoon            | 37.0          | 6.5            |             |
| PPV430 BP519        | 20-Jun-88         | FDNR Jensen Bch. headstart/released 7 miles off Jupiter        | 21-Mar-89     | lagoon            | 35.1          | 6.1            |             |

Table 31. Domestic recoveries of subadult loggerheads tagged and released by U.C.F. in the Indian River Lagoon (IRL), Brevard and Indian River Counties, Florida.

| Tag Numbers               | Original Tag Date | Location  | Recovery Date | Recovery Location   | Condition                    |
|---------------------------|-------------------|---|---------------|---|------------------------------|
| K3706                     | 7/14/83           | Indian River Lagoon                             | 3/4/96        | Hutchinson Island, oceanside.                                       |                              |
| PPJ100 NNNW687 PPN722 X16 | 5/30/86           | Indian River Lagoon                             | 4/3/91        | IR Co.; washed up on Conn Beach, Vero Beach                         | dead                         |
| BP1473 NNNW698            | 6/10/86           | Indian River Lagoon                             | 3/2/91        | Hutchinson Is; 10.3 km S Ft. Pierce Inlet; prop-killed              | dead (13 captures by U.C.F.) |
| PPJ071 PPJ072             | 1/15/87           | Indian River Lagoon                             | 1/9/88        | IRL, spoil island north of Sebastian Bridge                         | dead                         |
| PPJ133 PPJ134             | 3/17/87           | Indian River Lagoon                             | 4/18/87       | IRL, 1st spoil island west of Sebastian Inlet; prop-killed          | dead                         |
| PPJ143 PPJ144             | 4/9/87            | Indian River Lagoon                             | 10/14/94      | Floating off FL 28 10 39N 80 12 84W                                 | dead                         |
| PPJ184 PPJ185             | 5/22/87           | Indian River Lagoon                             | 8/15/88       | Pepper Park, beachside; 2 miles N of Ft. Pierce Inlet               | dead                         |
| PPN801 PPN802             | 2/18/88           | Indian River Lagoon                             | 4/2/88        | IRL, N of Inlet in Campbell's Cove; maybe mutilated                 | dead                         |
| PPN809 PPN810             | 3/1/88            | Indian River Lagoon                             | 3/9/88        | IRL, Sebastian canal marker 71; prop-killed                         | dead                         |
| X139 X140                 | 3/31/88           | Indian River Lagoon                             | 5/30/93       | S. Brevard beach; longline hook, growth over both eyes              | dead                         |
| X145 X146                 | 4/22/88           | Indian River Lagoon                             | 4/19/94       | IRL, 2 miles south of Sebastian Inlet                               | dead                         |
| X255 X256                 | 6/28/88           | Indian River Lagoon                             | 1/4/90        | Volusia Co.; Ponce Inlet; emaciated, floater                        | dead                         |
| X339 X340                 | 9/8/88            | Indian River Lagoon                             | 9/5/92        | IRL, 2 miles south of Sebastian Inlet                               | alive; unknown fate          |
| BP583 PPJ031              | 9/7/89            | Mosquito Lagoon                                 | 9/7/89        | IRL, 2 miles south of Sebastian Inlet                               | Marineland/release 10/21/92  |
| PPN852                    | 12/26/89          | U.C.F. recaptured 3 km south of Sebastian Inlet | 11/4/91       |   |                              |
| BP1475 X1575              | 9/4/90            | Indian River Lagoon                             | 4/3/92        | IR Co; 4 km S of Sebastian Inlet; good                              |                              |
| BP3181 N3196              | 6/3/94            | Indian River Lagoon                             | 3/1/95        | IRL, 1 1/2 mi. south of Sebastian Inlet; injected monofilament dead |                              |
| BP5676 N6373              | 2/22/96           | Indian River Lagoon                             | 4/2/96        | IRL, 1 mile south of Spessard Holland golf course                   | dead                         |

Table 32. Loggerheads tagged by others and recaptured by U.C.F. in the Indian River Lagoon, Indian River County, Florida.

| Tag Numbers                 | Original Tag Date | Original Tag Location                                   | U.C.F. Recovery Date | Recovery Location | Carapace SL length (cm) | Weight (kg) |
|-----------------------------|-------------------|---|----------------------|-------------------|-------------------------|-------------|
| AAB662 AAB663               | 5-Dec-81          | NMFS Channel survey, Pt. Canaveral, FL                  | 28-Jul-82            | lagoon            | 61.9                    | 40.9        |
| AAJ163 AAJ164 PPJ167 PPJ168 | 15-Oct-85         | St. Lucie Power Plant                                   | 30-Apr-87            | lagoon            | 75.5                    | 55.0        |
| AAJ163 AAJ164 PPJ167 PPJ168 | 15-Oct-85         | St. Lucie Power Plant                                   | 18-Jun-87            | lagoon            | 75.9                    | 61.0        |
| AAJ603 PPN492 X267          | 19-May-88         | St. Lucie Power Plant                                   | 29-Jun-88            | lagoon            | 56.6                    | 29.0        |
| BBA764 BBC360 PPW648        | 9-Apr-91          | St. Lucie Power Plant                                   | 15-May-92            | lagoon            | 52.8                    | 32.0        |
| BBA764 BBC360 PPW648        | 9-Apr-91          | St. Lucie Power Plant                                   | 16-Jul-92            | lagoon            | 53.9                    | 31.5        |
| BBA856 QQC635               | 5-Jun-91          | Marinellie Center Juno Bch/educational/released IRL     | 7-Jul-92             | lagoon            | 50.9                    | 26.0        |
| BBA856 QQC635               | 5-Jun-91          | Marinellie Center Juno Bch/educational/released IRL     | 17-Jul-92            | lagoon            | 52.3                    | 27.0        |
| BBA856 QQC635               | 5-Jun-91          | Marinellie Center Juno Bch/educational/released IRL     | 5-Aug-93             | lagoon            | 58.9                    | 38.0        |
| BBC360 PPW648               | 9-Apr-91          | St. Lucie Power Plant                                   | 26-Jun-91            | lagoon            | 52.5                    | 29.5        |
| BBC427 QQN422               | 27-Jan-92         | St. Lucie Power Plant                                   | 2-Jun-92             | lagoon            | 58.7                    | 37.0        |
| BBC633 QQB534 QQB535        | 18-Mar-92         | Virginia educational/released IRL s. of Sebastian Inlet | 4-Dec-92             | lagoon            | 53.4                    | 28.0        |
| BBE005 QQJ020               | 9-Feb-94          | St. Lucie Power Plant                                   | 6-Jun-95             | lagoon            | 63.0                    | 50.0        |
| PPY028 BP1426               | 20-Sep-89         | Pound net release/Long Island Sound, NY                 | 27-Jun-90            | lagoon            | 51.4                    | 23.0        |
| PPY028 BP1426               | 20-Sep-89         | Pound net release/Long Island Sound, NY                 | 14-May-90            | lagoon            | 49.9                    | 23.0        |
| QQH730 QQH731               | 26-Jan-91         | Pt Canaveral, FL/NMFS trawl tests                       | 16-Jul-91            | lagoon            | 58.3                    | 38.0        |

Table 33. List of NMFS-tagged turtles encountered while conducting routine research activities, 1982 through 1996. Tags applied by other researchers.

| Tag Numbers                 | Recapture Date | Species         | Recapture location* | Carapace Length (cm) | Carapace Width OC (cm) | Carapace Length SL (cm) | Carapace Width SL (cm) | Greatest Length SL (cm) | Plastron Length (cm) | Body Depth (cm) | Head Width (cm) | Wt. (kg) |
|-----------------------------|----------------|-----------------|---------------------|----------------------|------------------------|-------------------------|------------------------|-------------------------|----------------------|-----------------|-----------------|----------|
| AAB304                      | 7/20/83        | Caretta caretta | beach               | 95.0                 | 89.5                   | 88.2                    | 70.2                   | 89.7                    | -                    | -               | 18.7            | -        |
| AAB662 AAB663               | 7/28/82        | Caretta caretta | lagoon              | 68.7                 | 65.8                   | 61.9                    | 51.2                   | 62.7                    | 50.0                 | -               | 12.7            | 40.9     |
| AAC403 AAC404               | 6/23/84        | Caretta caretta | beach               | 101.1                | 93.3                   | 93.7                    | 74.1                   | 96.0                    | -                    | -               | 23.8            | -        |
| AAJ163 AAJ164 PPJ167 PPJ168 | 4/30/87        | Caretta caretta | lagoon              | 80.2                 | 77.2                   | 75.5                    | 60.0                   | 78.5                    | 59.0                 | 27.7            | 14.5            | 55.0     |
| AAJ163 AAJ164 PPJ167 PPJ168 | 6/18/87        | Caretta caretta | lagoon              | 80.7                 | 77.4                   | 75.9                    | 61.8                   | 77.8                    | 58.5                 | 25.8            | 13.9            | 61.0     |
| AAJ603 PPN492 X267          | 6/29/88        | Caretta caretta | lagoon              | 60.3                 | 58.8                   | 56.6                    | 46.5                   | 57.0                    | 43.5                 | 22.3            | 11.9            | 29.0     |
| AAL015 N4315 N4316          | 5/11/94        | Caretta caretta | beach               | 95.6                 | 89.1                   | 92.3                    | 71.1                   | 94.3                    | -                    | -               | 17.7            | -        |
| AAM192 AAM193 AAM194        | 6/7/82         | Caretta caretta | beach               | 96.8                 | 95.2                   | 90.9                    | 70.7                   | 91.5                    | 69.6                 | -               | -               | -        |
| AAM237 AAM238 AAM239        | 6/8/82         | Caretta caretta | beach               | 93.9                 | 89.4                   | 86.6                    | 86.6                   | 88.2                    | -                    | -               | 19.9            | -        |
| AAM324 AAM325 AAM326        | 6/24/82        | Caretta caretta | beach               | 103.5                | 94.9                   | 92.9                    | 71.3                   | 95.2                    | -                    | -               | 16.2            | -        |
| AAM504 D4251                | 5/19/88        | Caretta caretta | beach               | 103.4                | 98.0                   | 97.2                    | 75.2                   | 100.0                   | -                    | -               | 17.5            | -        |
| AAV019 D4054                | 7/9/85         | Caretta caretta | beach               | 102.7                | 94.2                   | 96.8                    | 68.6                   | 98.4                    | -                    | -               | 21.9            | -        |
| AAV185 D4112                | 8/1/85         | Caretta caretta | beach               | 95.9                 | 83.1                   | 87.2                    | 62.4                   | 88.1                    | -                    | -               | 20.3            | -        |
| AAV187 D4062                | 7/30/85        | Caretta caretta | beach               | 98.4                 | 88.9                   | 89.7                    | 65.8                   | 91.7                    | -                    | -               | 17.3            | -        |
| AAV189                      | 7/20/91        | Caretta caretta | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | 18.1     |
| AAV284 N4680                | 7/14/94        | Chelonia mydas  | beach               | 107.7                | 95.5                   | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV302 X3182                | 5/29/92        | Caretta caretta | beach               | 109.4                | 97.9                   | 103.8                   | -                      | 78.8                    | 106.0                | -               | -               | -        |
| AAV345 X4086                | 6/26/92        | Chelonia mydas  | beach               | 110.5                | 96.9                   | 104.4                   | -                      | 77.5                    | 104.6                | -               | -               | -        |
| AAV345                      | 7/7/92         | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345 X4086                | 7/8/92         | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345 X4086                | 7/20/92        | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345 X4086                | 8/2/92         | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345 X4086                | 8/16/92        | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345                      | 7/21/94        | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV345 N5318                | 8/7/94         | Chelonia mydas  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| AAV376 AAV377               | 7/23/90        | Caretta caretta | beach               | 102.5                | 101.0                  | -                       | -                      | 79.5                    | 101.2                | -               | -               | 23.4     |
| AAV376 AAV377               | 6/19/93        | Caretta caretta | beach               | 103.5                | 98.9                   | -                       | -                      | 97.0                    | -                    | -               | -               | 20.3     |
| AAV380 AAV381               | 6/23/87        | Caretta caretta | beach               | 100.5                | 92.0                   | 92.5                    | 70.0                   | 94.3                    | -                    | -               | -               | -        |
| BBA764 BBC360 PPW648        | 6/2/90         | Caretta caretta | beach               | 101.6                | 94.3                   | 93.1                    | 69.0                   | 94.6                    | -                    | -               | 21.0            | -        |
| BBA764 BBC360 PPW648        | 5/15/92        | Caretta caretta | lagoon              | 58.0                 | 54.4                   | 52.8                    | 44.8                   | 53.8                    | 42.7                 | 42.7            | 23.2            | 32.0     |
| BBA812 QQC618               | 7/16/92        | Caretta caretta | lagoon              | 57.7                 | 53.8                   | 53.9                    | 45.4                   | 54.6                    | 42.8                 | 23.6            | 12.2            | 31.5     |
| BBA856 QQC635               | 6/7/91         | Chelonia mydas  | lagoon              | 39.3                 | 36.8                   | 37.7                    | 32.9                   | 37.9                    | 32.2                 | 14.9            | 6.4             | 7.3      |
| BBA856 QQC635               | 7/7/92         | Caretta caretta | lagoon              | 55.9                 | 49.7                   | 50.9                    | 40.5                   | 52.7                    | 42.1                 | 21.8            | 10.0            | 26.0     |
| BBA856 QQC635               | 7/17/92        | Caretta caretta | lagoon              | 57.0                 | 49.6                   | 52.3                    | 41.5                   | 52.7                    | 41.6                 | 20.1            | 10.4            | 27.0     |

Table 33. continued

| Tag Numbers          | Recapture Date | Species         | Recapture Location* | Carapace Length OC (cm) | Carapace Width OC (cm) | Carapace Length SL (cm) | Greatest Width SL (cm) | Plastron Length (cm) | Body Depth (cm) | Head Width (cm) | Head Wt. (kg) |
|----------------------|----------------|-----------------|---------------------|-------------------------|------------------------|-------------------------|------------------------|----------------------|-----------------|-----------------|---------------|
| BBA856 QQC635        | 8/5/93         | Caretta caretta | lagoon              | 63.0                    | 55.4                   | 58.9                    | 45.8                   | 59.9                 | 47.5            | 23.6            | 12.0          |
| BBC360 PPW648        | 6/26/91        | Caretta caretta | lagoon              | 57.2                    | 53.8                   | 52.5                    | 45.0                   | 53.0                 | 42.0            | 21.8            | 11.5          |
| BBC385 N6040         | 5/26/95        | Caretta caretta | beach               | 95.0                    | 91.0                   | -                       | -                      | -                    | -               | -               | 38.0          |
| BBC392 PPW680        | 6/30/91        | Caretta caretta | beach               | 94.6                    | 83.6                   | 88.2                    | 68.3                   | 90.4                 | -               | -               | 29.5          |
| BBC392 PPW680        | 7/13/91        | Caretta caretta | beach               | 94.4                    | 84.5                   | 87.9                    | 69.5                   | 90.7                 | -               | -               | -             |
| BBC427 QQN422        | 6/2/92         | Caretta caretta | lagoon              | 63.0                    | 57.9                   | 58.7                    | 47.4                   | 59.6                 | 44.7            | -               | -             |
| BBC492 QQN504        | 7/22/94        | Chelonia mydas  | beach               | 101.4                   | 94.0                   | 95.2                    | 74.1                   | 96.3                 | 23.2            | 13.0            | 37.0          |
| BBC492 QQN504        | 7/22/94        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| BBC633 QQB534 QQB535 | 12/4/92        | Caretta caretta | lagoon              | 58.1                    | 48.4                   | 53.4                    | 39.9                   | 54.3                 | 43.1            | 18.4            | -             |
| BBC765 N3072         | 1/16/94        | Chelonia mydas  | trident             | 33.7                    | -                      | 32.1                    | -                      | 32.3                 | 27.1            | 11.4            | -             |
| BBC765 N3072         | 6/18/95        | Chelonia mydas  | trident             | 44.5                    | -                      | 42.4                    | -                      | 42.5                 | 35.3            | 5.1             | 3.8           |
| BBC920 SSA212 N5273  | 2/11/95        | Chelonia mydas  | trident             | 34.8                    | 29.4                   | 33.5                    | 26.4                   | 33.6                 | 27.7            | 15.3            | 9.2           |
| BBC920 N5273         | 3/12/95        | Chelonia mydas  | trident             | 34.9                    | 29.3                   | 33.5                    | 26.1                   | 33.5                 | 27.9            | 12.4            | 5.5           |
| BBD652 SSA363        | 6/20/96        | Caretta caretta | beach               | 88.3                    | 81.2                   | -                       | -                      | -                    | -               | 12.0            | 4.4           |
| BBD656 SSA367        | 6/27/93        | Caretta caretta | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| BBE005 QQJ020        | 6/6/95         | Caretta caretta | lagoon              | 71.9                    | 66.8                   | 63.0                    | 54.2                   | 64.2                 | 49.5            | 24.4            | -             |
| BBE181 QQJ214        | 11/21/95       | Chelonia mydas  | lagoon              | 34.2                    | 30.4                   | 32.6                    | 26.7                   | 32.6                 | 27.7            | 12.5            | 5.6           |
| BBE206 QQJ249        | 3/11/95        | Chelonia mydas  | trident             | 30.9                    | 26.9                   | 29.1                    | 23.9                   | 29.3                 | 24.8            | 10.6            | 5.1           |
| BBE206 QQJ249        | 4/15/95        | Chelonia mydas  | trident             | 29.9                    | 26.7                   | 28.7                    | 23.7                   | 28.9                 | 24.2            | 11.0            | 3.1           |
| BBE233 QQJ274        | 5/16/95        | Chelonia mydas  | lagoon              | 30.6                    | 27.3                   | 29.1                    | 23.6                   | 29.1                 | 23.6            | 10.8            | 3.1           |
| BBE572 SSN682        | 6/17/95        | Caretta caretta | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| BBE606 SSM018        | 7/29/96        | Chelonia mydas  | lagoon              | 38.8                    | 31.7                   | 36.1                    | 27.4                   | 36.1                 | 29.3            | 12.2            | 5.4           |
| MS341                | 6/28/82        | Caretta caretta | beach               | 105.7                   | 95.1                   | 96.8                    | 67.2                   | 98.4                 | -               | -               | -             |
| NNZ487 NNZ486 SI3404 | 7/31/86        | Chelonia mydas  | beach               | 109.0                   | 92.4                   | 102.8                   | 80.2                   | 103.9                | -               | -               | -             |
| NNZ487 SI3404 H4487  | 7/22/88        | Chelonia mydas  | beach               | 108.3                   | 96.5                   | 100.4                   | 78.2                   | 101.1                | -               | -               | -             |
| NNZ487 SI3404 K8996  | 6/28/90        | Chelonia mydas  | beach               | 107.5                   | 95.1                   | 101.8                   | 77.3                   | 102.1                | -               | -               | -             |
| NNZ487 SI3404 X2868  | 6/16/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 6/17/92        | Chelonia mydas  | beach               | 107.2                   | 94.4                   | 101.9                   | 79.9                   | 102.7                | -               | -               | -             |
| NNZ487 SI3404 X2868  | 6/30/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 7/12/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 7/25/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 7/26/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 8/8/92         | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 X2868  | 8/21/92        | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |
| NNZ487 SI3404 N4651  | 7/9/94         | Chelonia mydas  | beach               | -                       | -                      | -                       | -                      | -                    | -               | -               | -             |

Table 33. continued

| Tag Numbers               | Recapture Date | Species                | Recapture Location* | Carapace Length (cm) | Carapace Width OC (cm) | Carapace Length SL (cm) | Carapace Width SL (cm) | Greatest Length SL (cm) | Plastron Length (cm) | Body Depth (cm) | Head Width (cm) | Wt. (kg) |
|---------------------------|----------------|------------------------|---------------------|----------------------|------------------------|-------------------------|------------------------|-------------------------|----------------------|-----------------|-----------------|----------|
| NNZ496 NNZ498 SI3361      | 6/17/86        | <i>Chelonia mydas</i>  | beach               | 114.2                | 101.6                  | 106.4                   | 78.7                   | 107.1                   | -                    | -               | -               | 14.2     |
| NNZ496 SI3361 X4264       | 7/12/92        | <i>Chelonia mydas</i>  | beach               | 113.7                | 102.8                  | 107.3                   | 82.1                   | 107.5                   | -                    | -               | -               | -        |
| NNZ496 SI3361 X4264       | 7/25/92        | <i>Chelonia mydas</i>  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| NNZ496 SI3361 X4264       | 8/21/92        | <i>Chelonia mydas</i>  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| NNZ496 SI3361 N9115 N9116 | 7/20/94        | <i>Chelonia mydas</i>  | beach               | 115.6                | 104.9                  | -                       | -                      | -                       | -                    | -               | -               | -        |
| NNZ499 NNZ500 SI2570      | 7/18/96        | <i>Chelonia mydas</i>  | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| PPD178 PPD179             | 7/15/86        | <i>Chelonia mydas</i>  | beach               | 110.5                | 102.1                  | 102.2                   | 81.0                   | 104.0                   | -                    | -               | -               | -        |
| PPFB16 K9908              | 7/30/89        | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| PPG677 BP542              | 5/30/91        | <i>Caretta caretta</i> | beach               | 104.5                | 95.5                   | 100.0                   | 74.5                   | 102.3                   | -                    | -               | -               | 13.5     |
| PPG677 BP542              | 7/6/89         | <i>Chelonia mydas</i>  | reef                | 35.6                 | 30.5                   | 33.9                    | 28.3                   | 34.1                    | 29.0                 | 12.2            | 5.4             | -        |
| PPH816 N4661              | 8/10/90        | <i>Chelonia mydas</i>  | reef                | 39.2                 | 34.3                   | 37.8                    | 31.3                   | 38.1                    | 32.1                 | 13.8            | 6.2             | 5.2      |
| PPJ248 BP2570 X360        | 7/5/94         | <i>Caretta caretta</i> | beach               | 106.1                | 95.8                   | 103.0                   | 74.8                   | 103.5                   | -                    | -               | -               | 7.6      |
| PPJ455 X107               | 3/9/93         | <i>Chelonia mydas</i>  | lagoon              | 61.8                 | 54.8                   | 58.1                    | 46.1                   | 58.1                    | 49.0                 | 22.9            | 8.6             | -        |
| PPJ497 PPN620             | 3/17/88        | <i>Chelonia mydas</i>  | lagoon              | 36.2                 | 33.0                   | 34.2                    | 27.4                   | 34.2                    | 28.0                 | 13.5            | 5.8             | -        |
| PPJ497 PPN620 BP520       | 1/16/89        | <i>Chelonia mydas</i>  | lagoon              | 39.1                 | 33.0                   | 37.5                    | 28.8                   | 37.8                    | 30.5                 | 14.9            | 6.0             | 6.0      |
| PPV430 BP519              | 3/21/89        | <i>Chelonia mydas</i>  | lagoon              | 39.4                 | 32.2                   | 37.0                    | 28.5                   | 37.2                    | 30.5                 | 14.0            | 4.8             | -        |
| PPW603 N2097              | 3/21/89        | <i>Chelonia mydas</i>  | lagoon              | 37.4                 | 31.3                   | 35.1                    | 26.9                   | 35.1                    | -                    | -               | -               | -        |
| PPY028 BP1426             | 7/10/93        | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | 29.5                    | 35.1                 | 13.6            | 5.8             | 6.1      |
| PPY028 BP1426             | 5/14/90        | <i>Caretta caretta</i> | lagoon              | 55.5                 | 53.1                   | 49.9                    | 44.2                   | 50.0                    | 39.3                 | 21.1            | 9.0             | 23.0     |
| PPY586 PPY587             | 6/27/90        | <i>Caretta caretta</i> | lagoon              | 55.7                 | 53.1                   | 51.4                    | 45.6                   | 52.1                    | 40.0                 | 20.5            | 10.2            | 23.0     |
| QQE679 QQE680             | 7/6/93         | <i>Caretta caretta</i> | beach               | 102.5                | 94.6                   | 94.5                    | 65.4                   | 95.3                    | -                    | -               | -               | -        |
| QQE834                    | 7/4/92         | <i>Caretta caretta</i> | beach               | 101.7                | 0.0                    | 96.1                    | 76.1                   | -                       | -                    | -               | -               | -        |
| QQH730 QQH731             | 6/16/94        | <i>Caretta caretta</i> | beach               | 90.4                 | 86.7                   | 87.2                    | 70.0                   | 89.5                    | -                    | -               | -               | -        |
| QQH858 QQH859             | 7/16/91        | <i>Caretta caretta</i> | lagoon              | 63.0                 | 61.6                   | 58.3                    | 48.6                   | 59.2                    | 45.2                 | 24.1            | 12.4            | 38.0     |
| QQH871 QQH872             | 6/23/91        | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| QQH896                    | 7/17/91        | <i>Caretta caretta</i> | beach               | 89.0                 | 81.5                   | 83.4                    | 63.2                   | 84.9                    | -                    | -               | -               | -        |
| QQM149 QQM150 N6348       | 6/22/95        | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |
| QQP124 N4657              | 8/21/95        | <i>Caretta caretta</i> | beach               | 94.2                 | 83.9                   | 87.2                    | 64.3                   | 88.6                    | -                    | -               | -               | -        |
| QQR433                    | 7/1/94         | <i>Chelonia mydas</i>  | beach               | 106.8                | 92.6                   | 98.8                    | 70.4                   | 100.0                   | -                    | -               | -               | 16.0     |
| QQR540 QQR544             | 6/13/96        | <i>Caretta caretta</i> | beach               | 91.9                 | 80.8                   | 85.9                    | 64.4                   | -                       | -                    | -               | -               | 11.7     |
| SSA529 BP3272             | 7/19/93        | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | 18.1     |
| SSM062 SSM063             | 5/19/95        | <i>Chelonia mydas</i>  | trident             | 34.6                 | 31.5                   | 33.1                    | 27.5                   | 33.4                    | 26.9                 | 13.5            | 5.6             | 5.1      |
| 6/12/95                   |                | <i>Caretta caretta</i> | beach               | -                    | -                      | -                       | -                      | -                       | -                    | -               | -               | -        |

Table 33. continued

**Locations referred to above**

- \*beach = vicinity of Melbourne Beach, Florida; encountered on nesting beach
- \*lagoon = Indian River Lagoon, Indian River County, Florida; ca. 3 km. south of Sebastian Inlet
- \*reef = nearshore worm rock reefs, Indian River County, Florida; ca. 3 km. south of Sebastian Inlet
- \*trident = Trident Sub Turning Basin, Port Canaveral, Florida

Table 34. Preliminary results of mt DNA analysis of ten juvenile green turtles captured in Indian River County, Florida, in 1995.

| Tag Numbers  | BEECS No. | Capture site | Haplotype Designation | Shared between                           |
|--------------|-----------|--------------|-----------------------|--|
| BP3261 X6004 | Cm 598    | Lagoon       | CM VIII               | Brazil, Ascension Island, Guinea Bissau  |
| BP3283 X6021 | Cm 599    | Lagoon       | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3260 X6003 | Cm 600    | Lagoon       | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3295 X6037 | Cm 601    | Lagoon       | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3290 X6035 | Cm 602    | Lagoon       | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3296 N5250 | Cm 603    | Reef         | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3299 N5402 | Cm 604    | Reef         | CM I                  | Mexico and Florida                       |
| BP5503 N5480 | Cm 605    | Reef         | CM III                | Florida, Costa Rica, Mexico, Aves Island |
| BP3297 N5477 | Cm 606    | Reef         | CM I                  | Mexico and Florida                       |
| BP3298 N5401 | Cm 607    | Reef         | CM III                | Florida, Costa Rica, Mexico, Aves Island |
|              |           |              | CM III                | Florida, Costa Rica, Mexico, Aves Island |

Table 35. Blood samples taken from marine turtles net-captured in the Indian River Lagoon, Indian River County, Florida, for NMFS Charleston Lab for inclusion in their baseline blood chemistry database.

| Tag Numbers   | Date     | Species                 | Paps | NMFS slides | NMFS plasma | NMFS blood/hep |
|---------------|----------|-------------------------|------|-------------|-------------|----------------|
| BP5550 N6283  | 9/21/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5588 N6097  | 9/21/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5589 X6098  | 9/21/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5590 n/a    | 9/21/95  | Caretta caretta         | y    | 2           | 1           | 1              |
| BP5552 X6032  | 9/22/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5591 X6099  | 9/22/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5592 X6100  | 9/22/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5594 X6128  | 9/22/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| X6126 X6127   | 9/22/95  | Adult female C. caretta | no   | 2           | 1           | 1              |
| BBE181 QQJ214 | 11/21/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5599 X6107  | 11/21/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5600 X6108  | 11/21/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5601 X6110  | 11/21/95 | Caretta caretta         | y    | 2           | 1           | 1              |
| BP5602 X6111  | 11/21/95 | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5508 X6040  | 12/5/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5606 X6115  | 12/5/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5607 X6116  | 12/5/95  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5608 X6117  | 12/5/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5609 X6118  | 12/5/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5610 X6119  | 12/5/95  | Caretta caretta         | no   | 2           | 1           | 1              |
| BP5611 X6120  | 12/5/95  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP3295 X6037  | 12/15/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5617 X6121  | 12/15/95 | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5618 X6122  | 12/15/95 | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5619 X6123  | 12/15/95 | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5620 X6124  | 12/15/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5621 X6139  | 12/15/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5622 X6125  | 12/15/95 | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5623 X6140  | 12/15/95 | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5624 X6141  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5625 X6142  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5626 X6145  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5627 X6148  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5628 X6149  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5629 X6156  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5630 X6155  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5631 X6158  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5633 X6157  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5634 X6144  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5635 X6147  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5636 X6146  | 1/15/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5637 X6143  | 1/15/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5632 X6177  | 1/30/96  | Chelonia mydas          | y    | 2           | 1           | 1              |
| BP5638 X6178  | 1/30/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5639 X6179  | 1/30/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5640 X6180  | 1/30/96  | Chelonia mydas          | no   | 2           | 1           | 1              |
| BP5641 X6181  | 1/30/96  | Chelonia mydas          | y    | 2           | 1           | 1              |

Table 35. continued

| Tag Numbers  | Date    | Species                | Paps | NMFS slides | NMFS plasma | NMFS blood/hep |
|--------------|---------|------------------------|------|-------------|-------------|----------------|
| BP5642 X6168 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5643 X6172 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5644 X6174 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5645 X6175 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5646 X6159 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP5647 X6160 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5648 X6162 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5649 X6166 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5650 X6163 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP5651 X6170 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5652 X6173 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5653 X6176 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5654 X6167 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5655 X6171 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP5656 X6169 | 1/30/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP5661 X6184 | 1/30/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4501 X4701 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4502 X4702 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4503 X4704 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4504 X4706 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4505 X4705 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4506 X4729 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4507 X4707 | 3/13/96 | <i>Caretta caretta</i> | no   | 2           | 1           | 1              |
| BP4512 X4726 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4513 X4712 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4514 X4713 | 3/14/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4515 X4714 | 3/14/96 | <i>Caretta caretta</i> | y    | 2           | 1           | 1              |
| BP4516 X4715 | 3/14/96 | <i>Caretta caretta</i> | no   | 2           | 1           | 1              |
| BP4517 X4716 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4518 X4717 | 3/14/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4520 X4719 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4523 X4722 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4525 X4724 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4526 X4710 | 3/13/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4527 X4727 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4530 X4730 | 3/13/96 | <i>Chelonia mydas</i>  | y    | 2           | 1           | 1              |
| BP4531 X4731 | 3/13/96 | <i>Caretta caretta</i> | no   | 2           | 1           | 1              |
| BP4533 X4732 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4534 X4733 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |
| BP4535 X4734 | 3/14/96 | <i>Caretta caretta</i> | no   | 2           | 1           | 1              |
| BP4538 X4736 | 3/14/96 | <i>Chelonia mydas</i>  | no   | 2           | 1           | 1              |

Number of samples collected

176

88

88

Table 36. Blood samples taken from marine turtles net captured in the Trident Sub Basin, Pt. Canaveral, Florida, for NMFS Charleston Lab for inclusion in their baseline blood chemistry database.

| Tag Numbers  | Date     | Species                      | Paps | NMFS slides | NMFS plasma | NMFS blood/hep |
|--------------|----------|------------------------------|------|-------------|-------------|----------------|
| BP3189 N4511 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3191 X6081 | 7/17/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3218 N3119 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3219 N5476 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3233 N2335 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3241 N6244 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3245 N5246 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3256 N5248 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3257 N5249 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3271 X6016 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3275 X6030 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5511 X6045 | 7/17/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5515 X6047 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5521 X6057 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5560 X6076 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5562 X6077 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5563 X6078 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5564 X6079 | 7/16/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3222 N5299 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3226 N5272 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3241 N5244 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5526 X6051 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5595 N6129 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5596 X6103 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5597 X6104 | 9/24/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| X6152 n/a    | 9/24/95  | Adult male <i>C. caretta</i> | no   | 2           | 1           | 1              |
| BP5612 X6130 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5613 X6131 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5615 X6153 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5521 X6057 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3189 N4511 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP3229 X6136 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5516 X6137 | 12/9/95  | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5512 X6138 | 12/10/95 | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |
| BP5616 X6138 | 12/10/95 | <i>Chelonia mydas</i>        | no   | 2           | 1           | 1              |

Number of samples collected

35

35

35